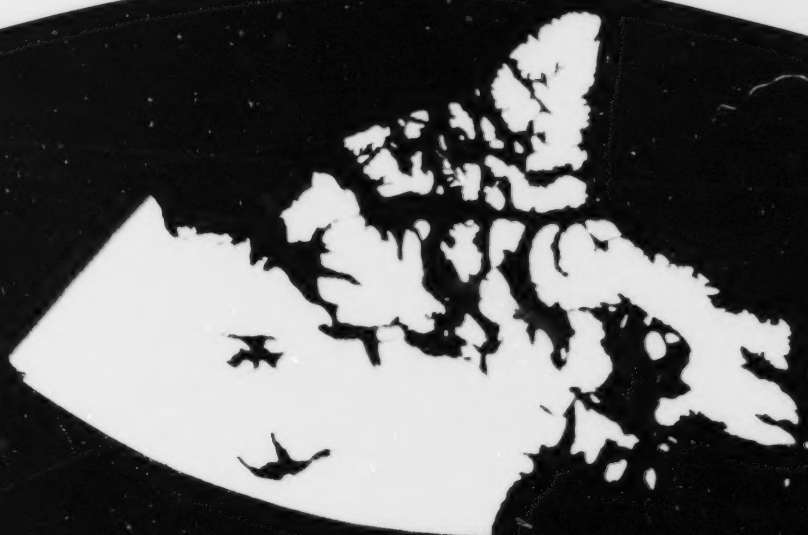




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Northern Affairs Program



**YUKON
RIVER
BASIN
STUDY**

This project was completed for
the Yukon River Basin Study, an
intergovernmental study funded
by the governments of Canada,
Yukon and British Columbia.

85-2609/



WATER QUALITY-
YUKON RIVER BASIN

WATER QUALITY WORK GROUP
REPORT #1

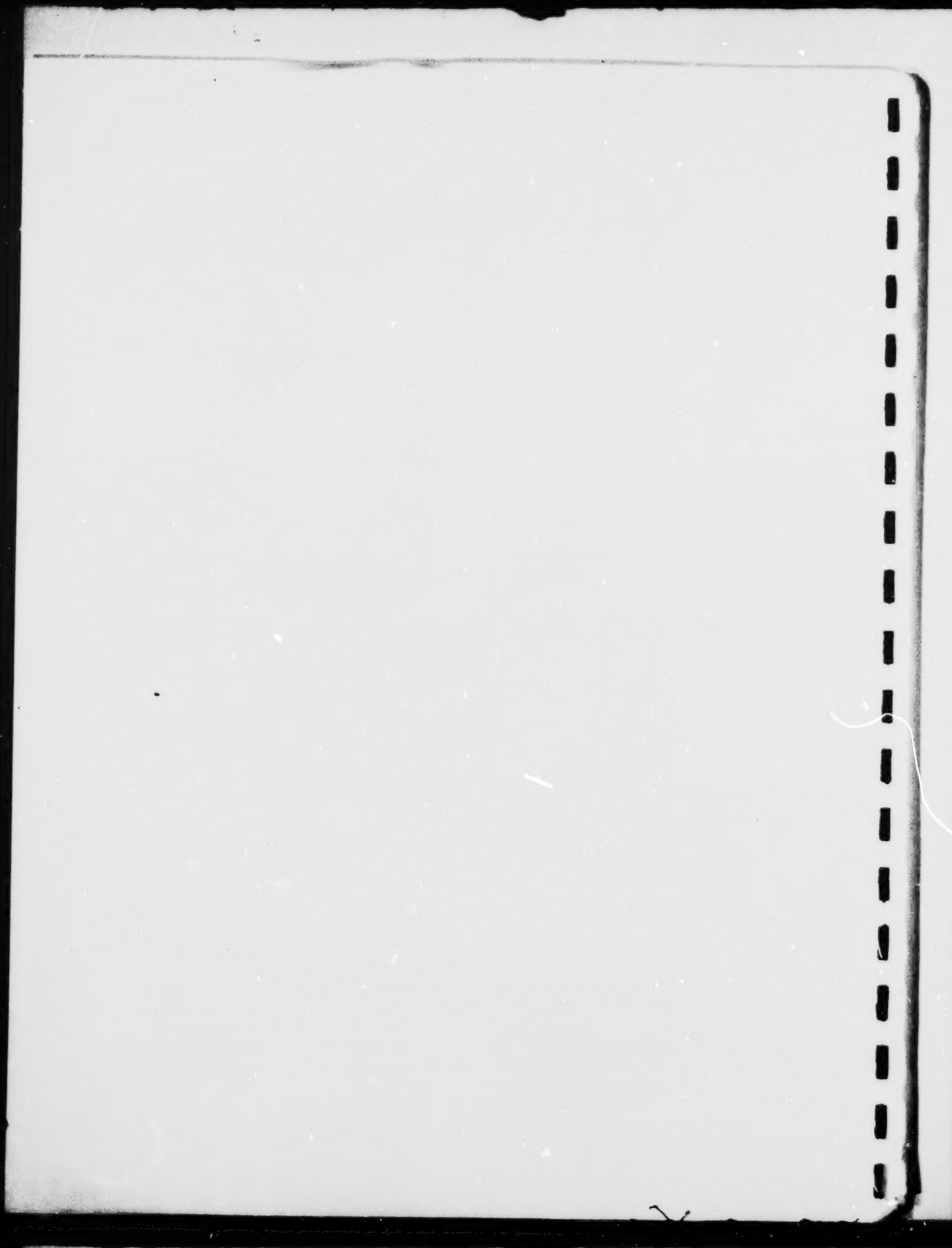
BY

M. E. JACK, T. R. OSLER, B. E. BURNS

DECEMBER 1983

WHITEHORSE, YUKON

This report was funded by the Yukon River Basin Committee (jointly with Department of Indian Affairs and Northern Development) under the terms of "An Agreement Respecting Studies and Planning of Water Resources in the Yukon River Basin" between Canada, British Columbia and Yukon. The views, conclusions and recommendations are those of the authors and not necessarily those of the Yukon River Basin Committee or the Governments of Canada, British Columbia and Yukon.





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30 December, 1983

Mr. W. G. Whitley
Director, Yukon River Basin Study
Room 220, 204 Range Road
Whitehorse, Yukon
Y1A 3V1

Your file Votre référence

Our file Notre référence

Dear Mr. Whitley:

RE: Water Quality - Yukon River Basin. Water Quality Work
Group Report #1.

We are pleased to submit a total of 25 copies of the above noted report. Of the 25 copies submitted, 15 have coloured picture plates included. The remainder have Xerox copies of the original picture plates.

The work has been done in accordance with the project description attached to the Project 42 Project Approval Form dated 20 May, 1982 and Amendment to Project Approval Form No. A 27 dated 29 April, 1983. A special project proposal on quality control was submitted in April, 1983 and performed with the approval of the Yukon River Basin Study Committee.

We wish to express our appreciation to the Yukon River Basin Committee for their help and support.

Respectfully,

Jack Nickel
Regional Manager
Water Resources
Northern Affairs Program

Canada



ABSTRACT

Baseline water quality data was collected at 21 stations on the Yukon River mainstem and headwaters and on its major tributaries which included the Klondike, White, Stewart, Pelly, Teslin and Takhini Rivers. At each station field measurements were made of pH, conductivity, air and water temperature and water samples were taken for laboratory analysis of pH, conductivity, residues, nutrients, major cations and total metals. Sampling frequencies ranged from weekly to quarterly but were consistent at each station. All data is included in the report appendix.

The study had four parts: a reconnaissance study at each site where samples were taken on a transect of the river for site selection; thirteen months of monitoring at each station for baseline data collection; a quality control study to check the validity of the data; and a mercury study to measure mercury concentrations in the Pelly River near Faro.

The baseline data collected was evaluated for general water quality and was analysed statistically to determine optimum sampling frequency. Weekly monitoring was recommended.



ACKNOWLEDGEMENTS

The authors would like to thank lay samplers: D. Mihalic (National Park Service - USA); A. Leary; J. Maxwell; W. Buyck; S. Ervin; J. Kisoun; C. Carlson; G. McCannell; P. Rienks and L. Enders whose consistent and regular sampling made the study possible. We would like to thank Fred Mah, Debbie Steacy, Paul Whitfield, Chad Thorp and other Inland Waters Directorate laboratory and office staff for their chemical analysis and computer entry of the data. We would also like to thank Department of Indian Affairs and Northern Development staff for report typing and other assistance.



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1 INTRODUCTION

A preliminary review of related literature by the Water Quality Work Group in 1981 identified data gaps. The literature reviewed is listed in the reference, Environment Canada, 1983b. This report, "Water Quality - Yukon River Basin" is a result of one of the successful proposals designed to fill a void in the existing data. Prior water quality studies were site specific, focusing on the environmental impacts of projects, the effectiveness of pollution control measures or the suitability of drinking water. These studies, even if combined, did not give a basin wide water quality data base

This report contains the data obtained from a preliminary reconnaissance study, thirteen months of monitoring, a quality control study and mercury testing in the Pelly River near Faro.

A second report of the Water Quality Work Group by Paul Whitfield, "Optimization of Water Quality Monitoring in the Yukon River Basin, 1983", contains computer analysis of the data in Appendix 2 of this report. Because of its bulk it has been published as a separate report, but its results are summarized in this report.



2 STUDY AND AREA DESCRIPTION

2.1 Purpose

To describe the water quality of the basin through establishment of a monitoring network.

2.2 Description

The study area was the Yukon River Basin in the Yukon Territory and northern British Columbia. It excluded the Porcupine River portion of the basin located in northern Yukon Territory because the Porcupine River joins the Yukon River in Alaska. A network of 21 stations with various frequencies encompassing the major reaches of the Yukon River Basin were developed through discussions by the Water Quality Work Group. Locations of these stations are illustrated in Figure 1 and presented in Table 1. Each station was monitored for a 13-month period; September 1982 to September 1983 inclusive. The study period was designed to encompass one entire hydrological cycle with a one-month overlap. The overlap allowed for a data comparison between years.

The study had four separate divisions. Chronologically, they are: reconnaissance - the preliminary survey to find station sites; monitoring of stations - for 13 months of network samples; a quality control study - at selected locations; and a mercury study - in the Pelly River near Faro, Yukon.

Data analysis of information collected from monitoring formed two categories. The first consists of a time-series analysis performed on weekly and every two week sample stations to determine optimum sampling frequencies for future collections. The second was a discussion of general water quality for all sample stations.

The quality control study was identified as a special project. The data was critically reviewed to evaluate the sampling methods in the field.

Mercury testing in the Pelly River area was also identified as a special project. It was undertaken to verify mercury readings that had occurred in data from water samples collected at Pelly River at Faro, station number 00YT09BC0008. The mercury was originally detected during July 1982, and again during September and October, 1982. It is possible that mercury could be present in this area due to the large zinc-containing ore bodies located near



FIGURE 1 WATER QUALITY SAMPLE STATION LOCATIONS IN THE YUKON RIVER BASIN

TABLE 1 STATION DESCRIPTIONS FOR MONITORING NETWORK

NAQUADAT NO.	STATION	WATER SURVEY GAUGE NO.	DESIGN FREQUENCY	SAMPLER	ACCESS
00AK09ED0001	Yukon River at Eagle, Alaska	U.S.G.S.	weekly	Lay	Road
00YT09AH0001	Yukon River at Carmacks	09AH001	weekly	Lay	Road
00YT09AB0006	Yukon R at Marsh Lake Control Structure	09AB001	weekly	DIAND	Road
00YT09EA0001	Klondike River at Dawson	09EA003	weekly	Lay	Road
00YT09DD0001	Stewart R at Stewart Crossing	09DD002	weekly	Lay	Road
00YT09BC0002	Pelly R at Pelly Crossing	09BC001	weekly	Lay	Road
00YT09BC0008	Pelly R at Faro	09BC004	weekly	Lay	Road
00YT09AH0012	Nordenskiold R at mouth	09AH004	every two weeks	Lay	Road
00YT09AC0001	Takhini R at mouth	09AC001	every two weeks	DIAND	Road
00YT09AB0008	Yukon R u/s of Takhini River	09AB001	every two weeks	DIAND	Road
00YT09AA0008	Tagish R at bridge	09AB001	every two months	DIAND	Road
00YT09AA0009	Bennett Lake outlet	09AA004	every two months	DIAND	Road
00YT09AE0001	Teslin Lake outlet	09AE001	every two months	DIAND	Road
00BC09AA0004	Atlin Lake outlet	09CA006	every two months	Lay	Boat/ plane/ skidoo
00YT09CA0005	Kluane Lake outlet	09CA0020	every two months	DIAND	Road
00YT09CD0001	Yukon R u/s White River	09CD001	seasonally	DIAND	Boat/ Plane/ Copter
00YT09CC0001	White R at mouth	-----	seasonally	DIAND	Boat/ Plane/ Copter

TABLE 1 (cont'd)

NAQUADAT NO.	STATION	WATER SURVEY GAUGE NO.	DESIGN FREQUENCY	SAMPLER	ACCESS
00YT09DD0011	McQuesten R at Bridge	09DD004	seasonally	DIAND	Road
00YT09AF0001	Teslin R at Mouth	09AF001	seasonally	DIAND	Boat/ Plane/ Copter
00BC09AE0010	Jennings at mouth	-----	seasonally	Lay	Plane/ Copter
00YT09AB0011	Lake Laberge Outlet	09AB009	once in winter, monthly during open water	DIAND	Boat/ Plane/ Copter

Faro. Mercury is often found in association with sphalerite, the main ore of zinc. It is feasible therefore, that through the process of weathering and other actions of nature, mercury could enter the water system. The concern for verification of mercury in the Pelly River stemmed from its near proximity to shallow wells supplying drinking water to the Town of Faro. The testing area covered a stretch of the Pelly River approximately fifteen kilometers long, two tributaries (Blind and Vangorda Creeks) and the Town of Faro's water supply (Figure 23 in Appendix 4). A description of the sample sites is provided in Table 2.

TABLE 2 STATION DESCRIPTIONS FOR MERCURY STUDY ON PELLY RIVER

STATION NO	DATE	TIME	NO. OF WATER SAMPLES AT CROSS-SECTION	BANK WHERE SEDIMENTS COLLECTED	SITE DESCRIPTION
1	July 5/83	1450	8	right	13 km upstream of Pelly River Bridge
2	July 6/83	1430	2	left	Blind Creek at road crossing
3	July 5/83	1550	8	right	8 km upstream of Pelly River bridge
4	July 5/83	1630	8	right	5.5 km upstream of Pelly River bridge
5	July 5/83	1650	7	right	Upstream of confluence with Vangorda Creek
6	June 14/83	2200	1	-	Faro drinking water
6	July 5/83	1110	3	-	supply (Faro Hotel)
6	July 7/83	1240	3	-	
7	July 6/83	1900	2	right	Vangorda Cr. at bridge at Faro pumphouse
8	July 5/83	1700	4	left	At Pelly River bridge
9	July 5/83	1725	4	right	1.5 km downstream of Pelly River bridge

3 METHODS

3.1 Methods for Reconnaissance Study

All stations were visited once during the reconnaissance study conducted during July and August of 1982. Photographs were taken, sampling sites were chosen, lay samplers were hired, and samples were collected. The sample parameter and replicates list is illustrated in Table 3.

Samples were collected by lowering a two-litre sampler and a six replicate sampler below the surface of the water. Various bottles were filled from the two-litre sampler. Transects were conducted at most stations with up to four sample collections.

For the dissolved parameters of phosphate, metals, ammonia, nitrite, nitrate, dissolved organic carbon and total dissolved nitrogen, samples were filtered in the field. The filtration apparatus consisted of two Sartorius filtering systems model SM 165 11 connected to a compressed air cylinder which operated at 10 psi. An acid soaked membrane filter, pore size 0.45 μ m was placed on the filter holder and rinsed thoroughly with distilled water. The sample was poured into the sample chamber of the Sartorius apparatus and pressure applied from the compressed air tank. The filtrate went directly into a clean sample bottle and the filter was discarded. The filters to be used for the dissolved metals were treated and stored in a dilute nitric acid solution. The filters to be used for the remaining dissolved parameters were treated and stored in a dilute hydrochloric acid solution. These treatments were to prevent any contamination from the filters to the sample.

The samples for metal analyses were preserved with 1 ml of concentrated reagent grade nitric acid per 500 ml sample. Mercury samples were preserved with 2 ml of potassium dichromate per 100 ml sample.

The labelled samples were packed in coolers and shipped via air to Environment Canada, 1305 Welch St., North Vancouver, B.C. for analyses. The results are in Appendix 1 and Appendix 2 coded 5 under column L.

Access to the various stations was gained by road, jet boat, float plane and zodiac boat depending on the location.

TABLE 3 RECONNAISSANCE PARAMETERS

PARAMETER	NUMBER OF ANALYSIS	DETECTION LIMITS *
FIELD		
pH	1	
WATER TEMPERATURE	1	0.1°C
AIR TEMPERATURE	1	0.1°C
CONDUCTIVITY	1	2 umhos/cm
LAB		
pH	1	
CONDUCTIVITY	1	0.2
TURBIDITY	1	0 Formazin Units
COLOUR	1	5 Colour units
ALKALINITY - Phenolphthalein	1	0.5 mg/l as CaCO ₃
ALKALINITY - Total	1	0.5 mg/l as CaCO ₃
HARDNESS - Total	1	0.5 mg/l as CaCO ₃
CALCIUM (Ca) - Dissolved	1	0.5
POTASSIUM (K) - Dissolved	1	0.2
SODIUM (Na) - Dissolved	1	0.2
CHLORIDE - Dissolved	1	0.2
FLUORIDE - Dissolved	1	0.05
SILICA (SiO ₂) - Reactive	1	0.2
SULPHATE - Dissolved	1	0.5
TOTAL ORGANIC CARBON - Dissolved	3	VARIABLE
TOTAL INORGANIC CARBON - Dissolved	3	VARIABLE
DISSOLVED ORGANIC CARBON (DOC)	3	VARIABLE
NITROGEN (NH ₃ -N)	3	0.002
NITROGEN - Total Dissolved	3	0.01
NITROGEN - Nitrate - Nitrite	3	0.002
PHOSPHORUS - Total Dissolved	3	0.002
PHOSPHORUS - Total	6	0.002
RESIDUE FILTERABLE - Total	1	10
RESIDUE FILTERABLE - Fixed	1	10
RESIDUE NON-FILTERABLE - Total	1	10
RESIDUE NON-FILTERABLE - Fixed	1	10
COPPER (Cu) - Total	3	0.001
IRON (Fe) - Total	3	0.001
LEAD (Pb) - Total	3	0.001
MANGANESE (Mn) - Total	3	0.001
MERCURY (Hg) - Total	1	0.05 ug/l
ZINC (Zn) - Total	3	0.001

* All units in mg/l unless otherwise indicated

TABLE 3

RECONNAISSANCE PARAMETERS (Cont'd)

PARAMETER	NUMBER OF ANALYSIS	DETECTION LIMITS *
LAB		
COPPER (Cu) - Dissolved	1	0.001
IRON (Fe) - Dissolved	1	0.001
LEAD (Pb) - Dissolved	1	0.001
MANGANESE (Mn) - Dissolved	1	0.001
ZINC (Zn) - Dissolved	1	0.001

* All units in mg/l unless otherwise indicated

NOTE 1: All parameters were analyzed as outlined in Inland Waters Directorate, Analytical Methods Manual 1979. Water Quality Branch, Ottawa, Canada, August 1979

NOTE 2: If a parameter concentration was less than the detection limit, it was reported as the detection limit and is shown in the data as that value.

NOTE 3: Zero Values. If a parameter was not measured it was reported as 0.0. The only legitimate zero values were for the variables air temperature, water temperature and phenolphthalein alkalinity.

NOTE 4: Monthly mean flows associated with the months of the study are included in the site description in Appendix 2. 1983 monthly mean flows were not available in time to be included.

To aid in the interpretation of these tables the following points should be noted. First, if a parameter was less than detection limit, it was reported as the detection limit and is included in the data as that value. Second, if a parameter was not measured it was reported as 0.0. The only legitimate zero values were for the variables air temperature, water temperature and phenolphthalein alkalinity.

3.2 Methods for Water Quality Monitoring Network

All 21 stations were sampled according to the sampling frequency table (Table 1) commencing in September 1982 and completed in September 1983 inclusive.

Stations Yukon River at Eagle; Yukon River at Carmacks; Klondike River at Dawson; Stewart River at Stewart Crossing; Pelly River at Pelly Crossing; Pelly River at Faro; Nordenskiöld at mouth; Atlin Lake Outlet and Jennings River at mouth were sampled by lay samplers throughout the study. The remaining twelve stations were sampled out of Whitehorse, by DIAND, Water Resources staff. The stations Yukon River at Marsh Lake Control Structure and Yukon River at Carmacks were sampled weekly by DIAND staff from July 1980 and October 1980 respectively to the commencement of the study in September 1982. This portion of the project was funded by DIAND. All of the data is included in Appendix 2.2 and 2.3 and was also used in the frequency analysis.

During open water seasons, a multisampler was used for the collection of samples (Plate 1). This sampler enabled all eleven bottles to be filled simultaneously. These bottles were rinsed once with the sample then filled. The mercury sample (100 ml teflon bottle) was preserved with 2 ml of potassium dichromate. The metals sample (500 ml polyethylene bottle) was preserved with 1 ml of reagent grade concentrated nitric acid. These premeasured acids were provided in small vials by the Department of Environment laboratory. The bottles were then packed into the mailing canister (Plate 2) and sent to Department of Environment, Water Quality Branch, 1305 Welch St., North Vancouver, B.C. for analyses.

During the seasons of freeze-up and break-up a prong sampler was used (Plate 2). The multisampler could not be used during these periods as the

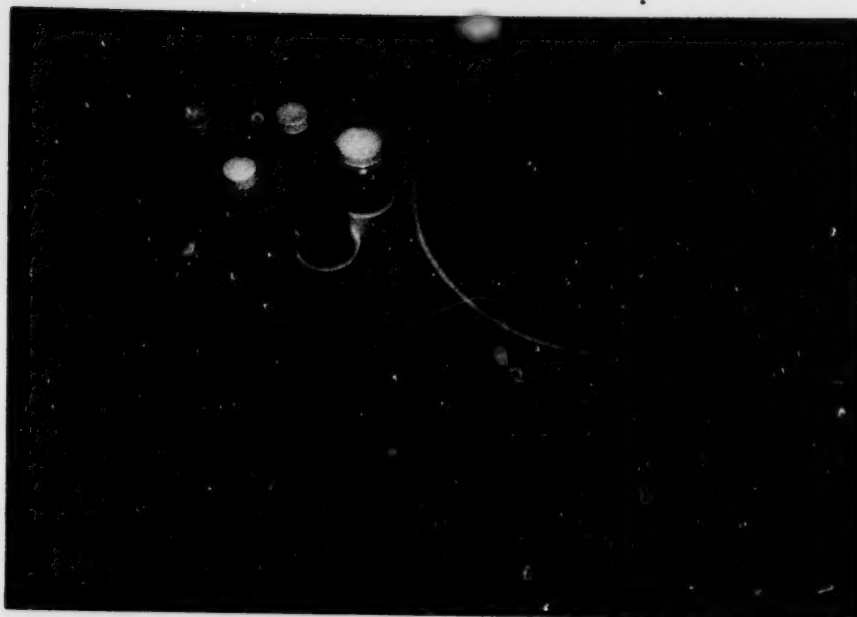


PLATE 1 MULTI-SAMPLER COMPLETE WITH A SET OF SAMPLE BOTTLES. THE LID OF THE MULTI-SAMPLER (RIGHT) HOLDS BOTTLES IN PLACE DURING SAMPLING. THE LID IS SECURED BY THE METAL HANDLE.

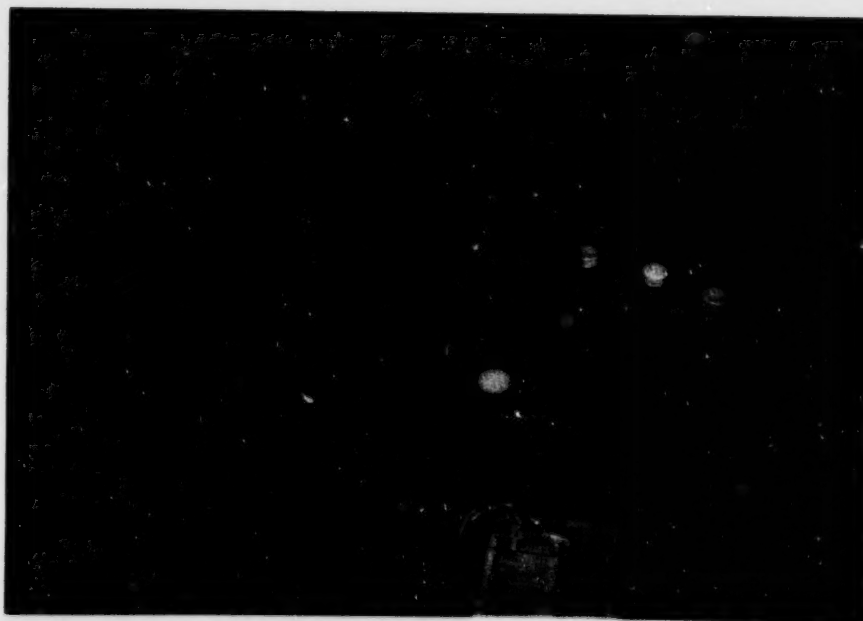


PLATE 2 PRONG SAMPLER (LEFT) MAILING CANISTER (RIGHT) DISPLAYING CONTENTS WHICH INCLUDE SAMPLE BOTTLES, ACID VIALS AND LABORATORY IDENTIFICATION CARD

small bottle openings would freeze over before the bottles were filled. The prong sampler held a two litre bottle which was used to collect the sample and then rinse and fill each of the bottles. The samples were preserved, packed and mailed following the same procedure as for the summer sampling.

During periods of ice cover, samples were obtained by drilling through the ice with Hoffco or Stihl power augers (Plate 21). The ice attained thicknesses of five feet at some stations. Loose ice was scooped out of the drilled holes. One litre nalgene bottles were filled with the sample and used to rinse and fill the sample bottles once inside the truck or office. Samples were preserved, packed and shipped as described previously.

During all the collections a one litre nalgene bottle was also filled to determine field pH and water temperature. At the Stations: Yukon River at Carmacks and Yukon River at Marsh Lake Control Structure, field conductivities were performed. Air temperature and weather conditions were also noted.

Access to the station sites was by four wheel drive vehicle, jet boat, zodiac, helicopter, snowmobile or float plane depending on the time of the year and the locations.

Once the canisters arrived in the North Vancouver Lab they were unpacked and the samples were analyzed for the parameters listed in Table 4 and by the methods coded on page A-74. (Inland Waters Directorate, 1979)

The results are located in Appendix 2. All regular monitoring data is coded 9 under column L.

To aid in the interpretation of these tables the following points should be noted. First, if a parameter was less than detection limit, it was reported as the detection limit and included in the data as that value. Second, if a parameter was not measured it was reported as 0.0. The only legitimate zero values were for the variables air temperature, water temperature and phenolphthalein alkalinity.

3.3 Methods for Quality Control Study

A quality control check was undertaken during spring run-off at some of the weekly and biweekly stations to try to prove sampling is representative even under the worst conditions. This involved a series of distilled water blanks, duplicates and more frequent samples (Table 5).

TABLE 4

MONITORING PARAMETERS

PARAMETER	NUMBER OF ANALYSIS	DETECTION LIMIT *
<u>FIELD</u>		
pH	1	
WATER TEMPERATURE	1	0.1°C
AIR TEMPERATURE	1	0.1°C
CONDUCTIVITY	1	2 umhos/cm
<u>LAB</u>		
pH	1	
CONDUCTIVITY	1	0.2
TURBIDITY	1	0 Formazin Units
COLOUR	1	5 Colour Units
ALKALINITY - Phenolphthalein	1	0.5 mg/l as CaCO ₃
ALKALINITY - Total	1	0.5 mg/l as CaCO ₃
HARDNESS - Total	1	0.5 mg/l as CaCO ₃
CALCIUM (Ca) - Dissolved	1	0.5
POTASSIUM (K) - Dissolved	1	0.2
SODIUM (Na) - Dissolved	1	0.2
CHLORIDE (Cl) - Dissolved	1	0.2
FLUORIDE (F) - Dissolved	1	0.05
SILICA (SiO ₂) - Reactive	1	0.2
SULPHATE - Dissolved	1	0.5
TOTAL INORGANIC CARBON (TIC)	1	VARIABLE
TOTAL ORGANIC CARBON (TOC)	1	VARIABLE
NITROGEN (NITRATE - NITRITE) - Dissolved	3	0.002
NITROGEN - Total Dissolved	3	0.01
PHOSPHORUS - Total	3	0.001
RESIDUE FILTERABLE - Total	1	10
RESIDUE FILTERABLE - Fixed	1	10
RESIDUE NON-FILTERABLE - Total	1	10
RESIDUE NON-FILTERABLE - Fixed	1	10
ARSENIC (As) - Extractable	1	0.0001
COPPER (Cu) - Total	1	0.001
IRON (Fe) - Total	1	0.001
LEAD (Pb) - Total	1	0.001
MAGNESIUM (Mg) - Total	1	Calculated
MANGANESE (Mn) - Total	1	0.001

* All units in mg/l unless otherwise indicated

TABLE 4

MONITORING PARAMETERS (cont'd)

PARAMETER	NUMBER OF ANALYSIS	DETECTION LIMIT *
LAB		
MERCURY (Hg) - Total	1	0.05 ug/l
SELENIUM (Se) - Extractable	1	0.0001
ZINC (Zn) - Total	1	0.001
CADMIUM (Cd) - Total **	1	0.0005

* All units in mg/l unless otherwise indicated

** Cadmium measured on Yukon River at Marsh Lake, at Carmacks and at Eagle stations only

NOTE 1: All parameters were analyzed as outlined in Inland Waters Directorate, Analytical Methods Manual 1979. Water Quality Branch, Ottawa, Canada, August 1979.

NOTE 2: If a parameter concentration was less than the detection limit, it was reported as the detection limit and is shown in the data as that value.

NOTE 3: Zero Values. If a parameter was not measured it was reported as 0.0. The only legitimate zero values were for the variables air temperature, water temperature and phenolphthalein alkalinity.

NOTE 4: Monthly mean flows associated with the months of the study are included in the site descriptions in Appendix 2. 1983 monthly mean flows were not available in time to be included.

TABLE 5

QUALITY CONTROL SAMPLING SCHEDULE

STATION	DISTILLED WATER BLANK	DUPLICATE	MORE FREQUENT
Yukon R at Carmacks 00YT09AH0001		June 2, 30, 1983	June 2 & 30, July 8, 11, 15 & 18, 1983
Klondike R at Dawson 00YT09EA0001	July 25, 1983	June 1, 1983	
Stewart R at Stewart Crossing 00YT09DD0001	July 22, 1983	May 11, 18 & June 2, 1983	May 9, 11, 13, 16, 18, 20 & June 2, 1983
Pelly R at Pelly Crossing 00YT09BC0002	July 22, 1983	May 11, June 2, & August 31, 1983	May 9, 11, June 2, August 29, 31 & September 2, 1983
Pelly R at Faro 00YT09BC0008		June 1, 8 & 15, 1983	May 30, June 1, 3, 6, 8, 10, 13, 15 & 17, 1983
Takhini R at mouth 00YT09AC0001	June 16, 1983	May 5, 1983	

3.3.1 Distilled Water Blanks. One set of blanks was taken at each of: Takhini River at mouth; Pelly River at Pelly Crossing; Stewart River at Stewart Crossing and Klondike River at Dawson by DIAND, Water Resources Staff. Tested distilled water was supplied by the Environment Canada lab. At each of the sites the bottles were filled with the distilled water, placed in the multi-sampler and lowered over the bridge to just above the surface of the water. This action simulated the exact procedure used to collect the original sample so any dust or dirt in the area would also be included. The blanks were then treated like a sample and preserved, packed and mailed as described in the previous section.

The results of the blank check are found in Appendix 3.

3.3.2. Duplicates. Duplicates samples were collected at various dates from six different stations: twice from the Yukon River at Carmacks; once from the Klondike River; twice from the Stewart River; twice at Pelly River at Pelly Crossing; three times at Pelly River at Faro and once from the Takhini River at bridge. These were sampled, preserved, packed and shipped out following the procedures described in section 3.2.

The results are located in Appendix 3 and in Appendix 2 coded 3 under column L.

3.3.3. Increased Frequency Sampling. Lay samplers at some of the weekly stations increased their sampling to three times a week in addition to their regular weekly samples to make a total of four samples per week. The Stewart River at Stewart Crossing was sampled for two weeks commencing May 9, 1983. The Pelly River at Faro was sampled for three weeks commencing May 30, 1983. The Yukon River at Carmacks and the Pelly River at Pelly Crossing were each sampled on five additional occasions although the sampling was random, covering dates through out the summer. The sampling, preserving and shipping techniques were the same as described in section 3.2.

The results of the increased frequency samples are located in Appendix 3 and in Appendix 2 coded 3 under column L.

3.4 Methods for Mercury Testing in the Pelly River Area

Water and sediment samples were collected on the Pelly River and two of its tributaries to determine mercury concentrations. The drinking water of Faro was sampled for mercury on three separate dates.

Access to the Pelly River sites was by a Zodiac boat equipped with a 20 horsepower motor. The other stations were accessed by a four wheel drive vehicle.

3.4.1 Water Sample. River water samples were collected in 100 ml teflon bottles by dipping the bottles into the river over the side of the boat while facing upstream. Transects were made at each of the stations with up to 8 samples collected.

The drinking water samples were collected in 100 ml teflon bottles from the cold water tap in the Faro Hotel. Triplicates were collected on July 5th and 7th, 1983 and one only collected on June 14, 1983.

All bottles were rinsed once with the sample prior to filling the bottles.

The July samples were preserved with 2 ml of potassium dichromate then air freighted to and analyzed for mercury at Environment Canada, Water Quality Branch, 1305 Welch St., North Vancouver, B.C.

The June 14, 1983 drinking water sample was preserved with 5 ml of nitric dichromate and air freighted to and analyzed for mercury at Environment Protection Service, 4195 Marine Drive, West Vancouver, B.C.

The results are shown in Appendix 4.1.

3.4.2 Sediment Sampling. Triplicate sediment samples were collected at each site with the exception of Station 6, drinking water. The samples were collected from a bank where the finer material had been deposited. The sediments were placed in labelled whirl pak bags using a plastic scoop, frozen, and then air freighted to Environment Protection Services, 4195 Marine Drive, West Vancouver to be analyzed for particle size and mercury concentration.

The particle size was determined using the Standard Sieving Operation (Environment Canada, 1979).

A freeze dried sample was sieved through a size 100 mesh (0.15 mm) stainless steel sieve then analyzed for mercury using the Atomic Absorption Spectrophotometer - Open Flameless System (Environment Canada, 1979).

The results are shown in Appendix 4.2.

4 DISCUSSION OF RESULTS

4.1 Reconnaissance Data

The results for the reconnaissance sampling are located in Appendix 1 and Appendix 2. In Appendix 1, each page represents one set of the replicate samples. The notation in the upper left hand corner indicates the number of meters the sample was collected from the left hand bank. The variable code is illustrated on Page A-5. The columns X(1) are the results for each of the replicates, XBAR is arithmetic mean, S.D. is standard deviation, G.E. is geometric mean and G.F. is geometric function. The data for all non-replicate parameters are in Appendix 2 coded 5 under column L.

At each station the parameters sampled across the transect were basically the same with the exception of White River at Mouth, 00YT09CC0001. The left hand bank had two to three times lower non-filterable residue values than the other two sites on the transect. This is reflected in some of the dissolved parameters being much lower also. Other than that, the sites on each of the transects were so similar that it made no difference where on the transect samples were collected during regular monitoring, although every effort was made to take mid-stream samples. The White River was sampled at mid channel where the highest residue values had occurred. It was felt that the sample locations were representative at each of the stations.

After reviewing the reconnaissance data, several of the parameters were dropped for the regular monitoring part of the study. These included ammonia nitrogen, dissolved organic carbon, dissolved metals, replicate total metals, total dissolved phosphorus and three of the replicate total phosphorus. The dissolved parameters were deleted because it was not practical to have lay samplers filter in the field.

The data showed that there was very little variation in the replicate total metal concentrations, although zinc had the greatest fluctuations of the five metals. Relatively high single values of total phosphorus and nitrate plus nitrite were encountered and replicates for these parameters were continued although the number of phosphorus replicates was reduced. Three parameters, extractable arsenic, extractable selenium and total magnesium were added for regular monitoring. Another change was that regular monitoring included total cadmium at Eagle, Carmacks and Marsh Lake stations.

4.2 Monitoring Network Data

4.2.1 General Water Quality In the Yukon River Basin. All waters tested in the Yukon River Basin were slightly alkaline with pH's from 7.0 to 8.3. This is probably caused by the thin layer of volcanic ash which was deposited over the Yukon 1500 years ago (Lerbekmo, 1969).

Most waters tested were soft, less than 95 mg/l as CaCO_3 (Demayo, 1980) to medium hard.

In winter, rivers with major groundwater sources had higher conductivity, alkalinity and hardness values in contrast to lake outlets whose values stayed relatively the same all year round. The Yukon River showed a slight increase in these parameters in the winter months. It was also observed that the values for conductivity, alkalinity and hardness increased as one went downstream on the Yukon River. The Marsh Lake Control Structure, station 00YT09AB0006, had the lowest values; values increased at Carmacks, station 00YT09AH0001; and were highest at Eagle, Alaska, station 00AK09ED0001.

During freshet and rainstorms higher nonfilterable residues occurred and these were linked to high total iron and total phosphorus concentrations on some occasions. Thus, the nonfilterable residues contained iron and phosphorus which were measured in the analysis of these elements.

The parameters measured in this study that had drinking water guidelines as listed in Health and Welfare, 1979 or aquatic life objectives as listed in Environment Canada 1979-1983 were checked for each station. The parameters which were exceeded at least 20% of the time that they were measured are listed in Table 6. The only drinking water limits exceeded were turbidity, colour, iron and manganese. Since these limits are set for aesthetic reasons only their exceedence of the limit presents no danger to health.

The parameters which were checked to see if they exceeded aquatic life objectives were; cadmium, copper, lead, mercury, selenium, and zinc. The aquatic life objectives were all for total metal concentrations. Only selenium was measured as extractable rather than total selenium in this study. It is the only parameter which might be higher if measured as a total concentration. The only aquatic life objectives exceeded were copper and lead. The presence of these metals and the softness of the waters in the Yukon River Basin mean that caution must be used in considering the addition of these and other metals from man-made sources in the future.

TABLE 6

PARAMETERS THAT EXCEEDED DRINKING WATER AND AQUATIC
LIFE OBJECTIVES¹

STATION	HARDNESS RANGE mg/l as CaCO ₃	DRINKING WATER ² LIMIT EXCEEDED	AQUATIC LIFE ³ OBJECTIVES EXCEEDED
Yukon R. at Eagle, Alaska 00AK09ED0001	84-222	Turb Colour Fe	Cu
Yukon R. at Carmacks 00YT09AH0001	45-89		
Yukon R. at Marsh Lake Control Str. 00YT09AB0006	32-52		
Klondike R. at Dawson 00YT09EA0001	75-232	Fe	Cu
Stewart R. at Stewart Crossing 00YT09DD0001	67-332	Turb Colour Fe Mn	Cu Pb
Pelly R. at Pelly Crossing 00YT09BC0002	70-235	Turb Colour Fe Mn	Cu Pb
Pelly R. at Faro 00YT09BC0008	72-186	Turb Colour Fe	Pb
Nordenskiold R. at mouth 00YT09AH0012	60-178	Colour Fe	Cu
Takhini R. at mouth 00YT09AC0001	20-62	Turb Fe	Cu Pb
Yukon R. u/s from Takhini R. 00YT09AB0008	41-53		Cu
Lake Laberge Outlet 00YT09AB0011	42-51		Cu
Tagish R. at bridge 00YT09AA0008	38-42		

TABLE 6 (cont'd)

STATION	HARDNESS RANGE mg/l as CaCO ₃	DRINKING WATER ² LIMIT EXCEEDED	AQUATIC LIFE ³ OBJECTIVES EXCEEDED
Bennett Lake outlet 00YT09AA0009	26-30		Cu
Teslin Lake outlet at Johnsons Crossing 00YT09AE0001	56-66		Cu
Atlin Lake outlet 00BC09AA0004	49-52		Cu
Kluane Lake outlet 00YT09CA0005	110-145	Fe	Cu
Yukon R. u/s from White R. 00YT09CD0001	70-95	Fe Turb	
White R. at mouth 00YT09CC0001	94-189	Turb Colour Fe Mn	Cu
McQuesten R. at bridge 00YT09DD0011	53-164	Colour	Cu
Teslin R. at mouth 00YT09AF0001	63-79	Colour Fe	Cu
Jennings R. at mouth 00BC09AE0010	24-58		Cu Pb

1. Only parameters that exceeded drinking water and aquatic life limits more than 20% of the time are shown.
2. Ref: Health and Welfare Canada, 1979.
3. Ref: Environment Canada, 1979 - 1983.

4.2.2 Sampling Frequency. Ten sites out of twenty-one were collected at one and two week intervals. The data from these stations was evaluated by computer analysis to determine optimum sampling frequency with the aim of optimizing future monitoring efforts in the basin. The methods and results are reported in Whitfield, 1983. The results and their implications will be discussed in this section.

In the analysis, each parameter at each station was assessed for optimum frequency. The objective was to make a frequency recommendation for long term monitoring that would detect trends or changes over time in water quality. Results of the analysis are shown in Table 7.

For practical reasons it is necessary to analyse all parameters at the same frequency. The site must be visited in any case. It is easier to design a shipping container for the same number of bottles each time. It is easier to be consistent if the same procedure is followed each time, especially if more than one sample person is involved.

The results obtained, suggest that a frequency of weekly is required. The once every two weeks samples at three sites were less adequate than the weekly sampling at the other sites. It is possible that an analysis of multiyear data, which was not done, might find once every two weeks was an adequate frequency but it is unlikely that any sampling less frequent than that would be adequate.

4.3 Quality Control Study

The Quality Control Study was done to evaluate sampling methods in the field and thus establish the validity of the data collected.

Field measurements made by lay samplers were also evaluated. Air and water temperatures were reliable and useful. These measurements can only be done in the field. Field conductivity and pH measurements were less reliable especially when done by lay samplers. This may be the result of lack of calibration with standards and the use of inexpensive and thus less accurate equipment. It must be questioned whether or not these measurements should be done by lay samplers since the results may not be reliable.

4.3.1 Distilled Water Blanks. Distilled water blanks were done at four sites. The influence of sampling techniques, field conditions, sample bottle cleanliness and preservative purity were thus tested for.

TABLE 7 MINIMUM SAMPLING FREQUENCIES FOR YUKON RIVER BASIN SITES IN WEEK INTERVALS (From Whitfield 1983)

VARIABLE	AH0001 80-81	AH0001 81-82	AH0001 82-83	AB0006 80-81	AB0006 81-82	AB0006 82-83
Air Temperature	1	1	8	1	1	5
Water Temperature	1	1	6	1	1	3
Field pH	1	1	1	*	-	*
Field Conductance	*	*	-	1	-	-
Lab Temperature	1	1	1	*	*	*
Lab pH	1	1	*	1	*	2
Lab Conductance	1	1	3	1	*	1
Turbidity	1	2	2	1	1	3
Colour	1	1	2	1	1	1
Alkalinity						
Phenolphthalein	any	any	any	any	any	any
Alkalinity Total	1	1	3	1	*	2
Hardness	1	1	3	1	*	1
Ca	1	1	3	1	*	1
Mg	*	*	1	*	1	*
K	1	*	*	*	*	*
Na	3	1	*	1	*	*
Cl	1	1	1	*	*	*
F	*	2	1	8	1	4
Silicate	1	1	3	*	1	*
Sulphate	2	1	7	1	1	*
Nitrate & Nitrite	4	*	1	*	*	*
Nonfilterable Residue	1	-	-	*	-	-
Filterable Residue	*	-	-	1	-	*
Fixed Nonfilterable Residue	1	-	-	*	-	-
Fixed Filterable Residue	*	-	-	1	-	*
As	*	*	*	*	*	*
Se	*	*	*	any	2	*
Cd	-	-	-	-	*	*
Cu	-	-	*	-	*	*
Zn	-	-	*	-	*	1
Fe	-	-	2	-	1	-
Pb	-	-	*	-	*	*
Mn	-	-	2	-	1	*
Hg	-	-	*	-	*	*
Total Dissolved Nitrogen	-	-	*	-	*	*
Total Phosphorus	-	-	*	-	1	2
Total Organic Carbon	-	-	2	-	-	1
Total Inorganic Carbon	-	-	1	-	-	*

(*) more frequently than weekly.

(-) not analysed - less than 90% of values determined.

TABLE 7 (Cont'd)

VARIABLE	EA0001	DD0001	BC0002	BC0008	AH0012	AC0001	AB0008
Air Temperature	3	8	3	4	4	2	3
Water Temperature	3	5	4	3	4	2	1
Field pH	-	*	-	1	*	*	*
Field Conductance	-	-	-	-	2	*	-
Lab Temperature	*	*	1	1	*	*	*
Lab pH	*	1	*	1	2	2	*
Lab Conductance	6	3	1	1	4	4	*
Turbidity	*	1	1	3	*	4	*
Colour	1	1	1	1	*	*	*
Alkalinity							
Phenolphthalein	any	any	any	any	any	any	any
Alkalinity Total	3	3	1	2	2	2	2
Hardness	6	3	1	1	2	2	2
Ca	3	3	1	1	2	2	2
Mg	5	2	1	3	2	*	*
K	1	1	2	2	4	*	*
Na	6	3	4	1	2	2	2
Cl	4	2	5	*	2	*	2
F	1	1	2	3	*	*	*
Silicate	6	1	2	2	2	6	*
Sulphate	6	2	3	1	2	4	*
Nitrate & Nitrite	6	1	1	*	*	*	*
Nonfilterable							
Residue	3	4	-	-	-	4	*
Filterable Residue	1	1	1	-	-	*	*
Fixed Nonfilterable							
Residue	3	4	-	-	-	4	*
Fixed Filterable							
Residue	1	1	*	-	-	*	*
As	*	1	2	*	*	2	*
Se	4	4	3	1	*	*	*
Cd	-	-	-	-	-	-	*
Cu	*	2	1	1	*	*	*
Zn	*	4	1	1	2	*	*
Fe	3	5	1	3	*	4	-
Pb	1	*	1	4	*	*	*
Mn	3	1	1	3	*	4	*
Hg	*	*	*	*	*	*	*
Total Dissolved							
Nitrogen	6	*	1	*	*	*	*
Total Phosphorus	3	1	1	3	*	*	*
Total Organic							
Carbon	2	2	2	1	*	2	*
Total Inorganic							
Carbon	1	2	1	1	2	4	*

The only parameters which had high values which were of the same concentration as normal Yukon River basin samples were; dissolved nitrite/nitrate nitrogen, total phosphorus, and total zinc. This limited sampling suggests that any samples might have contamination for these parameters so all data on these parameters should be viewed with caution.

4.3.2 Duplicates and Increased Frequency Sampling. Parameters which had concentration differences in duplicate samples were non-filterable residues, filterable residues, nitrite/nitrate nitrogen and total phosphorus.

Parameters which had concentration differences in samples taken three times a week were turbidity, non-filterable residues, nitrite/nitrate nitrogen and total phosphorus. The Pelly River at Faro also showed concentration differences for arsenic and iron.

The differences in parameter concentrations in duplicates were similar to the differences in the more frequent sampling. The results of the Quality Control Study indicate that certain parameters vary greatly in samples taken a few minutes apart or one or two days apart. Some of these parameters (nitrite/nitrate nitrogen and total phosphorus) had measurable concentrations in distilled water blanks. This means that differences may be due to contamination and individual high results for these parameters should especially be viewed with caution

4.4 Results of Mercury Testing in the Pelly River Area

4.4.1 Water Quality. All water samples taken in this special project were below the laboratories' detection limit for mercury (Appendix 4.1). The June 14, 1983 drinking water sample was below the detection limit of 0.0001 mg/l whereas the remaining samples were below 0.00005 mg/l.

The acceptable concentration for drinking water standards for mercury is 0.001 mg/l (Health and Welfare, 1979).

On the five occasions when mercury was present during other monitoring the levels were still below this standard (Appendix 2.7). Pelly River at Pelly Crossing also had detectable levels of mercury on five occasions (Appendix 2.6). Some, but not all detectable mercury levels occurred on the same dates as those upstream at Faro. None of these values warrant a concern as they were well below the drinking standard.

During other monitoring mercury concentrations were above the detection limit five times each in the Pelly River at Faro and Pelly Crossing and in the Stewart River. Mercury concentrations were above the detection limit only a few times at seven of the remaining eighteen stations. Therefore it is unlikely that these infrequent occurrences of detectable mercury are of any significance in the Yukon River Basin.

4.4.2 Sediment. The mercury concentrations in the sediments were very low, ranging from 0.07 to 0.17 mg/kg (Appendix 4.2). These values reflect similar concentrations found in seven Yukon streams in a study done by Mathers et al, 1981.



5 CONCLUSIONS AND RECOMMENDATIONS

This study has provided baseline water quality information on the Yukon River and its major tributaries. It must be regarded primarily as a baseline data report. It identifies some common characteristics of Yukon River basin waters and reaffirms the seasonal variation of some parameters.

All waters were slightly alkaline and soft to medium hard. All samples met drinking water guidelines for the parameters related to health that were measured. Bacteria counts were not measured in this study.

RECOMMENDATION 1: Bacteria counts should be done at sites being considered as drinking water sources or recreational waters.

Aquatic life objectives for copper and lead were exceeded more than 20% of the time at some stations. The objectives incorporate a safety factor for total copper and lead concentrations because only a portion of the total copper and lead is biologically available for use. The objective for total copper concentration has been set lower than occurs in some natural waters. This appears to be true of the waters sampled in this study. The presence of these metals and the softness of the waters in the Yukon River basin means that additional loads of these metals from man-made sources may increase the risk of sublethal stress to aquatic life.

RECOMMENDATION 2: Developments which would increase the load of metals to the Yukon River basin should be particularly assessed to evaluate the risk of sublethal stress to aquatic life.

Conductivity, alkalinity and hardness showed marked seasonal variation in rivers that had major groundwater contribution in contrast to lake fed rivers which did not. In all cases these parameters were highest in the winter period, from November to March, as a result of the relatively high groundwater proportion of the total flow in winter.

RECOMMENDATION 3: A study of groundwater quality and quantity in the Yukon River basin should be done to assess its influence on surface water quality and determine its general characteristics.

The optimum frequency of sampling for stations sampled weekly was determined to be weekly. At this frequency most parameters were measured often enough to show a change but not so often that redundant data was collected. At stations that were sampled every two weeks it was determined that more frequent sampling was required.

RECOMMENDATION 4: The frequency of sampling for baseline water quality monitoring should be weekly at continued and future sites if the same parameters are measured.

The quality control study showed that the field sampling methods were adequate. Individual measurements for field pH, field conductivity, nitrite/nitrate nitrogen, total phosphorus, non-filterable residues, filterable residues and turbidity should be treated with caution because field equipment can malfunction and contamination and/or natural variation can occur. Except for equipment malfunction these problems can be overcome by frequent, regular sample collection.

Additional testing showed that mercury concentrations were not a problem in the Pelly River near Faro. Infrequent measurable mercury concentrations at other network sampling sites are likely due to contamination and/or analytical error and are not deemed to indicate a water quality problem for those stations sampled.

This study has produced a one year data base. Seasonal variation was observed in some parameters. However, if an annual variation of water quality is required to monitor long term regional change in the system then some stations must be continued to provide a multi-year data base. For this purpose the stations at Eagle, and the Marsh Lake Control Structure near Whitehorse are most suitable. They are on the mainstem of the Yukon River, are far enough apart to show differences in concentration and have easy access.

RECOMMENDATION 5: To monitor long term regional change a multi-year data base is required. To achieve this, the stations on the mainstem Yukon River at Eagle, Alaska and the Marsh Lake Control Structure near Whitehorse should be continued at a weekly frequency.

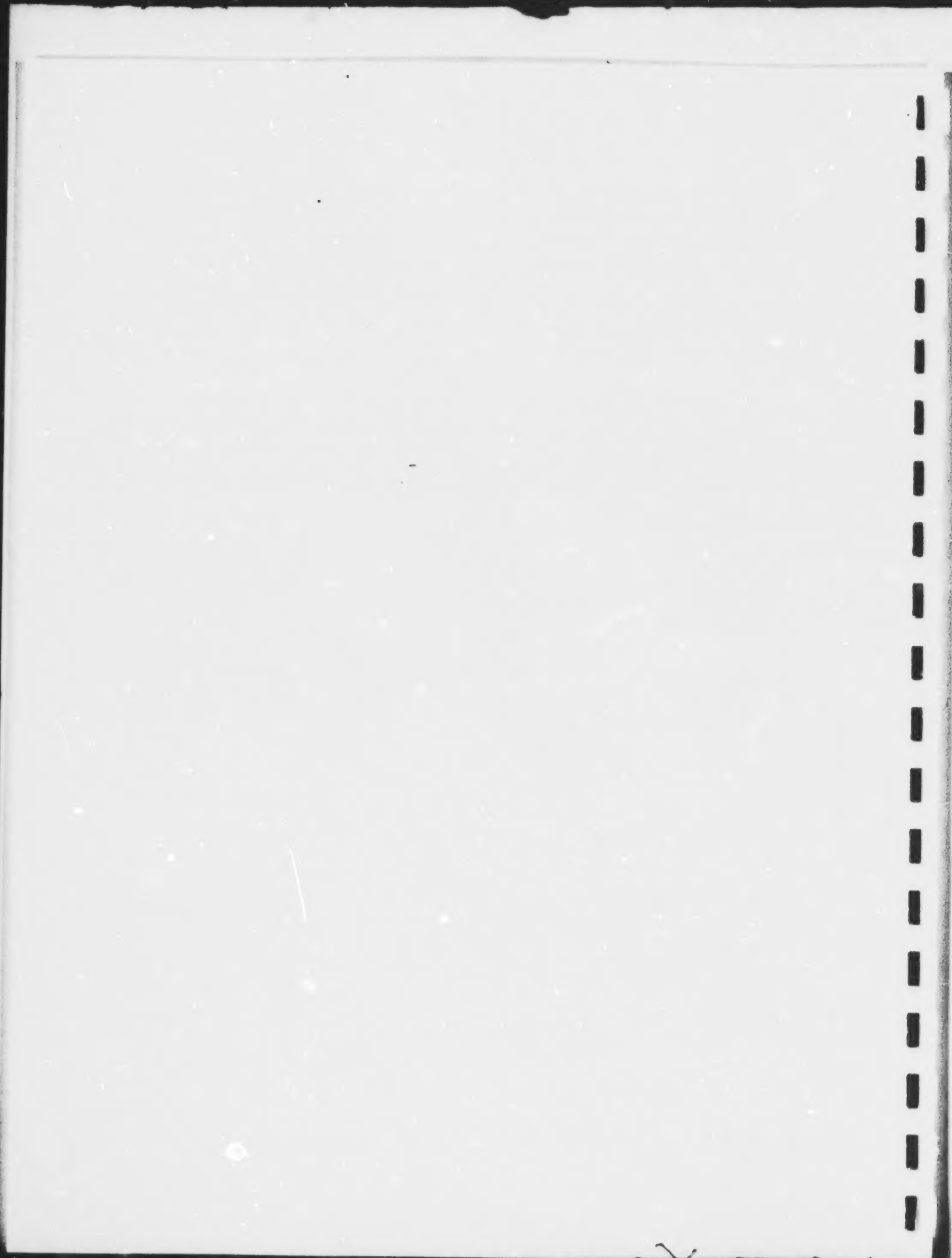
In the future water quality management in the Yukon River basin may require

development of a water quality model. This would require multi-year data from a modified network of stations. Such modification might include the addition of more mainstem Yukon River stations. For instance there is no marked difference between the water quality at the Marsh Lake Control Structure and the next downstream station above the mouth of the Takhini River but there is a marked difference between the Marsh Lake Control Structure station and Carmacks station. Additional stations might be necessary to identify the cause of this change.

RECOMMENDATION 6: A water quality model of the Yukon River basin does not need to be developed at this time. However, the information and baseline data in this report would be useful in developing such a model in the future.

The data collected in this study is not useful for site specific evaluation of development. For such uses site specific monitoring networks will need to be developed as required.

RECOMMENDATION 7: Site specific monitoring networks to evaluate future development projects should be designed and implemented to reflect the particular needs of each proposal.



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A-1

APPENDICES

A-2

APPENDIX 1

RECONNAISSANCE DATA

A-4

GLOSSARY OF VARIABLE CODES FOR WATER QUALITY RECONNAISSANCE DATA

CODE		DESCRIPTION	DETECTION LIMIT
Total	PTOT	Phosphorus - Total (mg/l)	0.002
Dissolve	PTOT	Phosphorus - Total Dissolved (mg/l)	0.002
Dissolve	N/N	Nitrate Nitrite Dissolved (mg/l)	0.002
Dissolve	NH ₃	Nitrogen Ammonia Dissolved (mg/l)	0.002
Dissolve	TDN	Nitrogen Total Dissolved (mg/l)	0.01
Total	TIC	Total Inorganic Carbon (mg/l)	Variable
Total	TOC	Total Organic Carbon (mg/l)	Variable
Total	CU	Copper Total (mg/l)	0.001
Dissolve	CU	Copper Dissolved (mg/l)	0.001
Total	FE	Iron Total (mg/l)	0.001
Dissolve	FE	Iron Dissolved (mg/l)	0.001
Total	PB	Lead Total (mg/l)	0.001
Dissolve	PB	Lead Dissolved (mg/l)	0.001
Total	MN	Manganese Total (mg/l)	0.001
Dissolve	MN	Manganese Dissolved (mg/l)	0.001
Total	HG	Mercury Total (ug/l)	0.05
Total	ZN	Zinc Total (mg/l)	0.001
Dissolve	ZN	Zinc Dissolved (mg/l)	0.001

YUKON RIVER AT EAGLE ALASKA

00AK09ED0001

LEFT BANK 150. Z 1.

11 JULY 1982 1400

	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOTAL	0.4450	0.4500	0.4700	0.4800	0.4650	6.	0.4633	0.0133	0.4632	1.0292
WATER	DISSOLVE	0.0080	0.0020	0.0020	0.0	0.0	3.	0.0040	0.0035	0.0032	2.2264
WATER	N/N	0.0740	0.0110	0.0100	0.0	0.0	3.	0.0317	0.0367	0.0201	3.0927
WATER	DISSOLVE	0.0040	0.0020	0.0020	0.0	0.0	3.	0.0027	0.0012	0.0025	1.4922
WATER	DISSOLVE	0.1210	0.1300	0.0740	0.0	0.0	3.	0.1083	0.0301	0.1052	1.3590
WATER	TOTAL	24.0000	25.0000	25.0000	0.0	0.0	3.	24.6667	0.5774	24.6621	1.0238
WATER	TIC	5.3000	5.7000	5.5000	0.0	0.0	3.	5.5000	0.1999	5.4976	1.0370
WATER	TIC	0.0270	0.0250	0.0270	0.0	0.0	3.	0.0263	0.0012	0.0263	1.0454
WATER	CU	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0019	0.0019	0.0018	0.0	0.0	1.	0.0019	0.0001	0.0019	1.0331
WATER	FE	0.0180	0.0	0.0	0.0	0.0	3.	0.0190	0.0	0.0190	1.0000
WATER	DISSOLVE	0.0030	0.0040	0.0040	0.0	0.0	3.	0.0037	0.0006	0.0036	1.0000
WATER	TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.3800	0.3700	0.3700	0.0	0.0	3.	0.3733	0.0058	0.3733	1.0155
WATER	MN	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	TOTAL	0.0500	0.0500	0.0500	0.0	0.0	3.	0.0500	0.0000	0.0500	1.0000
WATER	DISSOLVE	0.0160	0.0	0.0	0.0	0.0	1.	0.0160	0.0	0.0160	1.0000
WATER	15.0 TEMP. (C)	152.0	152.0	152.0	8.1	8.1	3.	0.0740	0.0384	0.0678	1.6594
WATER	DISSOLVE	0.0430	0.1170	0.0620	0.0	0.0	3.	0.0740	0.0384	0.0678	1.6594

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YUKON RIVER AT EAGLE ALASKA

LEFT BANK 300. Z 1. 11 JULY 1982 1410

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.5300	0.5150	0.5300	0.5200	0.5150	0.5000	6.	0.5183	0.0113	0.5182	1.0221
WATER DISSOLVE	0.0170	0.0030	0.0050	0.0	0.0	0.0	3.	0.0083	0.0076	0.0063	2.4385
WATER DISSOLVE	0.0080	0.0110	0.0100	0.0	0.0	0.0	3.	0.0097	0.0015	0.0096	1.1775
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0680	0.0770	0.0730	0.0	0.0	0.0	3.	0.0727	0.0045	0.0726	1.0643
WATER TOTAL	26.0000	27.0000	24.0000	0.0	0.0	0.0	3.	25.6667	1.5275	25.6360	1.0619
WATER TOTAL	4.4000	3.6000	4.3000	0.0	0.0	0.0	3.	4.1000	0.4358	4.0838	1.1161
WATER DISSOLVE	0.0240	0.0220	0.0200	0.0	0.0	0.0	3.	0.0220	0.0020	0.0219	1.0954
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0018	0.0018	0.0020	0.0	0.0	0.0	3.	0.0019	0.0001	0.0019	1.0631
WATER DISSOLVE	0.0600	0.0	0.0	0.0	0.0	0.0	1.	0.0600	0.0	0.0600	1.0000
WATER DISSOLVE	0.0030	0.0040	0.0020	0.0	0.0	0.0	3.	0.0030	0.0010	0.0029	1.4166
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.3800	0.3800	0.3900	0.0	0.0	0.0	3.	0.3833	0.0058	0.3833	1.0151
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	0.0500	0.0500	0.0500	0.0	0.0	0.0	3.	0.0500	0.0000	0.0500	1.0000
WATER DISSOLVE	0.0060	0.0	0.0	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
15.0 TEMP. (C)	152.0	COND.									
15.0 TEMP. (C)	152.0	COND.									
WATER DISSOLVE	0.0580	0.0640	0.0610	0.0	0.0	0.0	3.	0.0610	0.0030	0.0610	1.0504

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YUKON RIVER AT EAGLE ALASKA

LEFT BANK 450. Z 1. 11 JULY 1982 1420

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.5100	0.5300	0.5100	0.5300	0.4750	5.	0.5108	0.0201	0.5105	1.0408
WATER DISSOLVE	0.0080	0.0020	0.0030	0.0	0.0	3.	0.0043	0.0032	0.0036	2.0398
WATER DISSOLVE	0.0150	0.0110	0.0120	0.0	0.0	3.	0.0127	0.0021	0.0126	1.1735
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0780	0.0700	0.0700	0.0	0.0	3.	0.0727	0.0046	0.0726	1.0645
WATER TOTAL	27.0000	25.0000	29.0000	0.0	0.0	3.	27.0000	2.0000	26.9505	1.0770
WATER TOTAL	4.0000	3.7000	3.7000	0.0	0.0	3.	3.8000	0.1732	3.7974	1.0460
WATER DISSOLVE	0.0240	0.0210	0.0210	0.0	0.0	3.	0.0220	0.0017	0.0220	1.0801
WATER TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0017	0.0018	0.0022	0.0	0.0	3.	0.0019	0.0003	0.0019	1.1451
WATER DISSOLVE	0.0300	0.0	0.0	0.0	0.0	1.	0.0300	0.0	0.0300	1.0000
WATER TOTAL	0.0020	0.0030	0.0010	0.0	0.0	3.	0.0020	0.0010	0.0018	1.7430
WATER DISSOLVE	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER TOTAL	0.3200	0.3900	0.4000	0.0	0.0	3.	0.3700	0.0436	0.3682	1.1300
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	0.0500	0.0800	0.0800	0.0	0.0	3.	0.0700	0.0173	0.0684	1.3117
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
15.0 TEMP. (C)	0.0610	0.0570	0.0560	0.0	0.0	3.	0.0580	0.0026	0.0580	1.0461
ORGN	0.0610	0.0570	0.0560	0.0	0.0	3.	0.0580	0.0026	0.0580	1.0461

15.0 TEMP. (C)

152.0 COND.

8.1 PH

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YUKON RIVER AT EAGLE ALASKA

11 JULY 1982 1030

LEFT BANK 600. Z 1.

WATER	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOTAL	0.4300	0.4500	0.4600	0.4850	0.4750	6.	0.4592	0.0193	0.4588	1.0432
WATER	DISSOLVE	0.0050	0.0020	0.0030	0.0	0.0	3.	0.0033	0.0015	0.0031	1.5827
WATER	DISSOLVE	0.0160	0.0140	0.0150	0.0	0.0	3.	0.0150	0.0010	0.0150	1.0690
WATER	DISSOLVE	0.0050	0.0020	0.0020	0.0	0.0	3.	0.0030	0.0017	0.0027	1.6974
WATER	DISSOLVE	0.1010	0.0730	0.0790	0.0	0.0	3.	0.0843	0.0147	0.0835	1.1845
WATER	TOTAL	26.0000	26.0000	27.0000	0.0	0.0	3.	26.3333	0.5774	26.3321	1.0219
WATER	TOTAL	4.5000	4.2000	4.4000	0.0	0.0	3.	4.3667	0.1527	4.3648	1.0358
WATER	DISSOLVE	0.0170	0.0180	0.0210	0.0	0.0	3.	0.0187	0.0021	0.0186	1.1154
WATER	DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0019	0.0019	0.0016	0.0	0.0	3.	0.0018	0.0002	0.0018	1.1045
WATER	DISSOLVE	0.0800	0.0	0.0	0.0	0.0	1.	0.0800	0.0	0.0800	1.0000
WATER	DISSOLVE	0.0030	0.0040	0.0040	0.0	0.0	3.	0.0037	0.0006	0.0036	1.1810
WATER	DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.3500	0.3600	0.3300	0.0	0.0	3.	0.3467	0.0153	0.3464	1.0454
WATER	DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	DISSOLVE	0.0450	0.0360	0.0700	0.0	0.0	3.	0.0503	0.0176	0.0484	1.4027
WATER	DISSOLVE	0.0040	0.0	0.0	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER	DISSOLVE	0.0800	0.0570	0.0560	0.0	0.0	3.	0.0643	0.0136	0.0634	1.2226

15.0 TEMP. (C) 152.0 COND. 8.1 PH

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YUKON RIVER AT CARMACKS

LEFT BANK 50. Z 1. 6 JULY 1982 1649

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL DISSOLVE	0.0230	0.0200	0.0210	0.0200	0.0240	6.	0.0212	0.0016	0.0211	1.0763
PTOT	0.0030	0.0030	0.0040	0.0	0.0	3.	0.0033	0.0006	0.0033	1.1808
N/N	0.0040	0.0090	0.0080	0.0	0.0	3.	0.0370	0.0537	0.0147	5.4112
NH3	0.0030	0.0030	0.0020	0.0	0.0	3.	0.0027	0.0006	0.0026	1.2639
TDN	0.0860	0.1900	0.0870	0.0	0.0	3.	0.1210	0.0598	0.1124	1.5751
TIC	14.0000	13.0000	14.0000	0.0	0.0	3.	13.6667	0.5774	13.6584	1.0436
TDC	4.0000	4.5000	3.2000	0.0	0.0	3.	3.9000	0.6557	3.8620	1.1891
CU	0.0030	0.0060	0.0010	0.0	0.0	3.	0.0033	0.0025	0.0026	2.4682
FE	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
FE	0.3800	0.6000	0.4200	0.0	0.0	3.	0.4667	0.1172	0.4575	1.2714
PB	0.0190	0.0	0.0	0.0	0.0	1.	0.0190	0.0	0.0190	1.0000
PB	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
MN	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
MN	0.0200	0.0200	0.0200	0.0	0.0	3.	0.0200	0.0	0.0200	1.0000
HG *	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
ZN	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
ZN	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
ZN	0.0070	0.0	0.0	0.0	0.0	1.	0.0070	0.0	0.0070	1.0000
19.0 TEMP. (C)		98.0 COND.			7.8 PH					
ORGN	0.0790	0.0880	0.0670	0.0	0.0	3.	0.0780	0.0105	0.0775	1.1472

00YTO8AH0001

YUKON RIVER AT CARMACKS

LEFT BANK 100. Z 1. 6 JULY 1982 1640

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0210	0.0210	0.0210	0.0190	6.	0.0212	0.0013	0.0211	1.0659
WATER DISSOLVE	PTOT	0.0040	0.0030	0.0020	0.0	3.	0.0030	0.0010	0.0029	1.4166
WATER DISSOLVE	N/N	0.1290	0.1280	0.1310	0.0	3.	0.1293	0.0015	0.1293	1.0119
WATER DISSOLVE	NH3	0.0020	0.0020	0.0220	0.0	3.	0.0087	0.0115	0.0044	3.9226
WATER DISSOLVE	TOTN	0.2070	0.2100	0.2340	0.0	3.	0.2170	0.0148	0.2167	1.0693
WATER TOTAL	TIC	8.4000	14.0000	14.0000	0.0	3.	12.1333	3.2332	11.8080	1.3430
WATER TOTAL	TOTC	4.5000	3.8000	4.0000	0.0	3.	4.1000	0.3605	4.0896	1.0806
WATER TOTAL	CU	0.0140	0.0050	0.0040	0.0	3.	0.0077	0.0055	0.0065	1.9508
WATER DISSOLVE	CU	0.0040	0.0	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER TOTAL	FE	0.6500	0.5500	0.4300	0.0	3.	0.5433	0.1102	0.5357	1.2310
WATER DISSOLVE	FE	0.0160	0.0	0.0	0.0	1.	0.0160	0.0	0.0160	1.0000
WATER TOTAL	PB	0.0030	0.0040	0.0020	0.0	3.	0.0030	0.0010	0.0029	1.4166
WATER DISSOLVE	PB	0.0020	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER TOTAL	MN	0.0200	0.0200	0.0200	0.0	3.	0.0200	0.0	0.0200	1.0000
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	HG *	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	ZN	0.0130	0.0150	0.0060	0.0	3.	0.0113	0.0047	0.0105	1.6371
WATER DISSOLVE	ZN	0.0090	0.0	0.0	0.0	1.	0.0090	0.0	0.0090	1.0000
WATER DISSOLVE	19.0 TEMP. (C)	98.0 COND.	7.8 PH	0.0	0.0	3.	0.0790	0.0026	0.0790	1.0344
WATER DISSOLVE	ORGN	0.0760	0.0800	0.0810	0.0	3.	0.0790	0.0026	0.0790	1.0344

00YT09AH0001

YUKON RIVER AT CARMACKS

LEFT BANK 150. Z 1. 6 JULY 1982 1631

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER										
TOTAL	PTOT	0.0220	0.0200	0.0290	0.0220	6.	0.0238	0.0045	0.0235	1.1890
DISSOLVE	PTOT	0.0030	0.0020	0.0570	0.0	3.	0.0207	0.0315	0.0070	6.2233
WATER	N/N	0.0110	0.0080	0.0090	0.0	3.	0.0097	0.0012	0.0096	1.1228
DISSOLVE	NH3	0.0030	0.0020	0.0050	0.0	3.	0.0033	0.0015	0.0031	1.5827
WATER	TDN	0.0960	0.0970	0.1060	0.0	3.	0.0997	0.0055	0.0936	1.0560
DISSOLVE	TIC	13.0000	14.0000	14.0000	0.0	3.	13.6667	0.5774	13.6584	1.0436
WATER	TIC	4.3000	3.4000	3.6000	0.0	3.	3.7667	0.4726	3.7476	1.1303
TOTAL	CU	0.0050	0.0040	0.0100	0.0	3.	0.0063	0.0032	0.0058	1.6125
DISSOLVE	CU	0.0060	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER	FE	0.4800	0.4200	0.4700	0.0	3.	0.4567	0.0321	0.4559	1.0744
DISSOLVE	FE	0.1000	0.0	0.0	0.0	1.	0.1000	0.0	0.1000	1.0000
WATER	PB	0.0030	0.0010	0.0030	0.0	3.	0.0023	0.0012	0.0021	1.8858
TOTAL	PB	0.0070	0.0	0.0	0.0	1.	0.0070	0.0	0.0070	1.0000
WATER	MN	0.0200	0.0200	0.0200	0.0	3.	0.0200	0.0	0.0200	1.0000
DISSOLVE	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	HG *	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
TOTAL	ZN	0.0040	0.0030	0.0050	0.0	3.	0.0040	0.0010	0.0038	1.2918
DISSOLVE	ZN	0.0150	0.0	0.0	0.0	1.	0.0150	0.0	0.0150	1.0000
WATER	19.0 TEMP. (C)									
	ORGN	0.0820	0.0860	0.0920	0.0	3.	0.0867	0.0050	0.0866	1.0595
DISSOLVE										

7.8 PH

98.0 COND.

YUKON RIVER AT CARMACKS

LEFT BANK 200. Z 1. 6 JULY 1982 1622

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0280	0.0340	0.0200	0.0200	0.0410	6.	0.0298	0.0087	0.0287	1.3582
DISSOLVE	0.0030	0.0040	0.0030	0.0030	0.0	3.	0.0033	0.0006	0.0033	1.1808
DISSOLVE	0.0090	0.0060	0.0080	0.0080	0.0	3.	0.0077	0.0015	0.0076	1.2319
DISSOLVE	0.0100	0.0020	0.0110	0.0	0.0	3.	0.0077	0.0049	0.0060	2.6062
DISSOLVE	0.1050	0.0870	0.1100	0.0	0.0	3.	0.1007	0.0121	0.1002	1.1322
TOTAL	14.0000	14.0000	14.0000	0.0	0.0	3.	14.0000	-0.0	14.0000	1.0000
TOTAL	2.2000	4.2000	3.0000	0.0	0.0	3.	3.1333	1.0066	3.0264	1.3818
TOTAL	0.0080	0.0030	0.0050	0.0	0.0	3.	0.0053	0.0025	0.0049	1.6332
TOTAL	0.4800	0.6500	0.4500	0.0	0.0	3.	0.5267	0.1079	0.5187	1.2169
TOTAL	0.0020	0.0010	0.0010	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
TOTAL	0.0200	0.0200	0.0200	0.0	0.0	3.	0.0200	0.0	0.0200	1.0000
TOTAL	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
TOTAL	0.0060	0.0060	0.0080	0.0	0.0	3.	0.0067	0.0012	0.0066	1.1806
19.0 TEMP. (C) 98.0 COND. 7.8 PH										
DISSOLVE	0.0860	0.0790	0.0910	0.0	0.0	3.	0.0853	0.0060	0.0852	1.0737

00YT09AB0006

YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

LEFT BANK 50. Z 1. 6 JULY 1982 1039

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0090	0.0100	0.0080	0.0080	0.0080	6.	0.0085	0.0014	0.0084	1.1962
DISSOLVE	0.0020	0.0040	0.0030	0.0030	0.0030	3.	0.0030	0.0010	0.0029	1.4166
DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0600	0.0020	0.0030	0.0030	0.0030	3.	0.0217	0.0332	0.0071	6.4092
TOTAL	0.0840	0.0450	0.0420	0.0420	0.0420	3.	0.0570	0.0234	0.0541	1.4650
TIC	9.6000	9.4000	9.2000	9.2000	9.2000	3.	9.4000	0.2000	9.3986	1.0215
TDC	2.5000	2.7000	3.1000	3.1000	3.1000	3.	2.7667	0.3055	2.7556	1.1152
CU	0.0020	0.0030	0.0040	0.0040	0.0040	3.	0.0030	0.0010	0.0029	1.4166
FE	0.0080	0.0	0.0	0.0	0.0	1.	0.0080	0.0	0.0080	1.0000
FE	0.1000	0.1100	0.1300	0.1300	0.1300	3.	0.1133	0.0153	0.1127	1.1420
PB	0.0370	0.0	0.0	0.0	0.0	1.	0.0370	0.0	0.0370	1.0000
PB	0.0010	0.0010	0.0010	0.0010	0.0010	3.	0.0010	0.0	0.0010	1.0000
MN	0.0100	0.0100	0.0100	0.0100	0.0100	1.	0.0010	0.0	0.0010	1.0000
MN	0.0100	0.0	0.0	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
HG *	0.0500	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
ZN	0.0010	0.0010	0.0010	0.0010	0.0010	1.	0.0500	0.0	0.0500	1.0000
ZN	0.0010	0.0	0.0	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
10.0 TEMP. (C)	0.0220	0.0410	0.0370	0.0370	0.0370	1.	0.0010	0.0	0.0010	1.0000
ORGN	0.0220	0.0410	0.0370	0.0370	0.0370	3.	0.0333	0.0100	0.0322	1.3862

00YT09AB00006

YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

LEFT BANK 100. Z 1.

6 JULY 1982 1030

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0220	0.0080	0.0200	0.0170	6.	0.0168	0.0061	0.0157	1.5306
WATER DISSOLVE	PTOT	0.0070	0.0050	0.0040	0.0	3.	0.0053	0.0015	0.0052	1.3254
WATER DISSOLVE	N/N	0.0060	0.0060	0.0020	0.0	3.	0.0047	0.0023	0.0042	1.8857
WATER DISSOLVE	NH3	0.0040	0.0020	0.0020	0.0	3.	0.0027	0.0012	0.0025	1.4822
WATER DISSOLVE	TOTN	0.0570	0.0520	0.0520	0.0	3.	0.0537	0.0029	0.0536	1.0543
WATER TOTAL	TIC	9.4000	9.4000	9.4000	0.0	3.	9.4000	0.0110	9.4000	1.0000
WATER TOTAL	TOC	2.8000	2.7000	3.5000	0.0	3.	3.0333	0.4163	3.0149	1.1434
WATER DISSOLVE	CU	0.0010	0.0040	0.0060	0.0	3.	0.0037	0.0025	0.0029	2.5589
WATER TOTAL	CU	0.0070	0.0	0.0	0.0	1.	0.0070	0.0	0.0070	1.0000
WATER DISSOLVE	FE	0.1400	0.1300	0.1400	0.0	3.	0.1367	0.0058	0.1366	1.0437
WATER DISSOLVE	FE	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	PB	0.0010	0.0010	0.0010	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	PB	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0100	0.0100	0.0100	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	HG *	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	ZN	0.0010	0.0030	0.0420	0.0	3.	0.0153	0.0231	0.0050	5.8278
WATER DISSOLVE	ZN	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	10.0 TEMP. (C)	0.0470	0.0440	0.0460	0.0	3.	0.0457	0.0015	0.0456	1.0342
WATER DISSOLVE	ORGN	0.0470	0.0440	0.0460	0.0	3.	0.0457	0.0015	0.0456	1.0342

00YT09EA0001

KLONDIKE RIVER AT DAWSON CITY

LEFT BANK 11. Z 1. 9 JULY 1982 1038

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER											
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00Y09EA0001

KLONDIKE RIVER AT DAWSON CITY

LEFT BANK 22. Z 1. 9 JULY 1982 1049

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0080	0.0100	0.0100	0.0100	0.0100	6.	0.0263	0.0410	0.0144	2.7214
DISSOLVE	0.0030	0.0040	0.0050	0.0	0.0	3.	0.0040	0.0010	0.0039	1.2818
WATER	0.0240	0.0210	0.0160	0.0	0.0	3.	0.0203	0.0040	0.0201	1.2295
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	0.0680	0.0730	0.0680	0.0	0.0	3.	0.0697	0.0028	0.0696	1.0418
DISSOLVE	16.0000	16.0000	16.0000	0.0	0.0	3.	16.0000	-0.0	16.0000	1.0000
TOTAL	2.4000	2.4000	0.2400	0.0	0.0	3.	1.6800	1.2471	1.1140	3.7788
WATER	0.0020	0.0010	0.0030	0.0	0.0	3.	0.0020	0.0010	0.0018	1.7430
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	0.1600	0.2000	0.1600	0.0	0.0	3.	0.1733	0.0231	0.1724	1.1375
DISSOLVE	0.0160	0.0	0.0	0.0	0.0	1.	0.0160	0.0	0.0160	1.0000
TOTAL	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	0.0010	0.0100	0.0100	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.0100	0.0	0.0	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	0.0030	0.0030	0.0050	0.0	0.0	3.	0.0037	0.0012	0.0036	1.3431
TOTAL	0.0140	0.0	0.0	0.0	0.0	1.	0.0140	0.0	0.0140	1.0000
DISSOLVE	0.0420	0.0500	0.0500	0.0	0.0	3.	0.0473	0.0046	0.0472	1.1059
WATER	0.0420	0.0500	0.0500	0.0	0.0	3.	0.0473	0.0046	0.0472	1.1059

12.5 TEMP. (C)

120.0 COND.

7.9 PH

STEWART RIVER AT STEWART CROSSING

00YT080000001

LEFT BANK 33. Z 1.

8 JULY 1982 1418

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0550	0.0580	0.0580	0.0580	0.0580	6.	0.0618	0.0085	0.0613	1.1488
WATER DISSOLVE	0.0020	0.0040	0.0020	0.0020	0.0020	3.	0.0027	0.0012	0.0025	1.4822
WATER DISSOLVE	0.0290	0.0330	0.0330	0.0330	0.0330	3.	0.0317	0.0023	0.0316	1.0774
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0760	0.0760	0.0890	0.0890	0.0890	3.	0.0803	0.0075	0.0801	1.0854
WATER TOTAL	18.0000	18.0000	18.0000	18.0000	18.0000	3.	18.0000	0.0	18.0000	1.0000
WATER TOTAL	2.5000	3.7000	3.1000	0.0	0.0	3.	3.1000	0.6000	3.0608	1.2169
WATER DISSOLVE	0.0040	0.0050	0.0020	0.0	0.0	3.	0.0037	0.0015	0.0034	1.6126
WATER TOTAL	0.0170	0.0	0.0	0.0	0.0	1.	0.0170	0.0	0.0170	1.0000
WATER DISSOLVE	1.6000	1.5000	1.7000	0.0	0.0	3.	1.6000	0.1000	1.5979	1.0646
WATER TOTAL	0.2000	0.0	0.0	0.0	0.0	1.	0.2000	0.0	0.2000	1.0000
WATER DISSOLVE	0.0020	0.0020	0.0010	0.0	0.0	3.	0.0017	0.0006	0.0016	1.4822
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0400	0.0400	0.0500	0.0	0.0	3.	0.0433	0.0058	0.0431	1.1375
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	0.0110	0.0100	0.0180	0.0	0.0	3.	0.0130	0.0044	0.0126	1.3709
WATER DISSOLVE	0.0050	0.0	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
19.0 TEMP. (C)	158.0	COND.	8.1	PH						
WATER ORGN	0.0460	0.0410	0.0540	0.0	0.0	3.	0.0470	0.0066	0.0467	1.1483

STEWART RIVER AT STEWART CROSSING

00YTO9D000001

LEFT BANK 66. Z 1.

8 JULY 1982 1425

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0530	0.0550	0.0640	0.0680	0.0840	5.	0.0648	0.0124	0.0639	1.2026
WATER DISSOLVE	0.0090	0.0020	0.0030	0.0	0.0	3.	0.0033	0.0015	0.0031	1.5827
WATER DISSOLVE	0.0240	0.0330	0.0280	0.0	0.0	3.	0.0283	0.0045	0.0281	1.1726
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0720	0.0780	0.0740	0.0	0.0	3.	0.0747	0.0031	0.0746	1.0415
WATER TOTAL	18.0000	18.0000	18.0000	0.0	0.0	3.	18.0000	-0.0	18.0000	1.0000
WATER TOTAL	2.9000	3.1000	2.7000	0.0	0.0	3.	2.9000	0.2000	2.8534	1.0715
WATER DISSOLVE	0.0010	0.0060	0.0040	0.0	0.0	3.	0.0037	0.0025	0.0029	2.5589
WATER TOTAL	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	1.5000	1.5000	1.8000	0.0	0.0	3.	1.6000	0.1732	1.5940	1.1110
WATER TOTAL	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0020	0.0030	0.0030	0.0	0.0	3.	0.0027	0.0006	0.0026	1.2639
WATER TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0400	0.0500	0.0500	0.0	0.0	3.	0.0467	0.0058	0.0464	1.1375
WATER TOTAL	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	0.0100	0.0110	0.0120	0.0	0.0	3.	0.0110	0.0010	0.0110	1.0954
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
19.0 TEMP. (C)	158.0 COND.				8.1 PH					
ORGN	0.0460	0.0430	0.0440	0.0	0.0	3.	0.0443	0.0015	0.0443	1.0348

STEWART RIVER AT STEWART CROSSING

LEFT BANK 100. Z

8 JULY 1982 1432

00YT09D00001

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0560	0.0550	0.0500	0.0630	0.0560	6.	0.0560	0.0041	0.0859	1.0762
DISSOLVE	0.0060	0.0030	0.0040	0.0	0.0	3.	0.0043	0.0015	0.0042	1.4166
DISSOLVE	0.0250	0.0300	0.0300	0.0	0.0	3.	0.0283	0.0028	0.0282	1.1110
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0030	1.0064
DISSOLVE	0.0730	0.1540	0.0980	0.0	0.0	3.	0.1083	0.0415	0.1033	1.4565
TOTAL	18.0000	18.0000	18.0000	0.0	0.0	3.	18.0000	-0.0	18.0000	1.0000
TOTAL	2.9000	3.3000	2.5000	0.0	0.0	3.	2.9000	0.4000	2.8815	1.1490
DISSOLVE	0.0030	0.0100	0.0060	0.0	0.0	3.	0.0063	0.0035	0.0056	1.8299
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
TOTAL	1.8000	1.6000	1.6000	0.0	0.0	3.	1.6667	0.1155	1.6641	1.0704
DISSOLVE	0.0080	0.0	0.0	0.0	0.0	1.	0.0080	0.0	0.0080	1.0000
TOTAL	0.0030	0.0020	0.0010	0.0	0.0	3.	0.0020	0.0010	0.0018	1.7430
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
TOTAL	0.0500	0.0400	0.0400	0.0	0.0	3.	0.0433	0.0058	0.0431	1.1375
DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
TOTAL	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
DISSOLVE	0.0120	0.0140	0.0110	0.0	0.0	3.	0.0123	0.0015	0.0123	1.1299
DISSOLVE	0.0050	0.0	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
18.0 TEMP. (C)	158.0	COND.								
ORGN	0.0450	0.1220	0.0660	0.0	0.0	3.	0.0780	0.0394	0.0718	1.6375

00Y088C0002

PELLE RIVER AT PELLE CROSSING

LEFT BANK 50. Z 1. 8 JULY 1982 1042

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0530	0.0510	0.0480	0.0700	0.0450	5.	0.0556	0.0104	0.0549	1.1998
DISSOLVE	0.0050	0.0070	0.0030	0.0	0.0	3.	0.0050	0.0020	0.0047	1.5321
DISSOLVE	0.0040	0.0020	0.0020	0.0	0.0	3.	0.0027	0.0012	0.0025	1.4922
DISSOLVE	0.0390	0.0030	0.0040	0.0	0.0	3.	0.0153	0.0205	0.0078	4.0764
DISSOLVE	0.0800	0.0730	0.0890	0.0	0.0	3.	0.0807	0.0080	0.0804	1.1043
TOTAL	17.0000	18.0000	17.0000	0.0	0.0	3.	17.3333	0.5774	17.3270	1.0334
TOTAL	4.4000	4.2000	5.4000	0.0	0.0	3.	4.6667	0.6428	4.6384	1.1431
DISSOLVE	0.0150	0.0120	0.0070	0.0	0.0	3.	0.0113	0.0040	0.0108	1.4797
DISSOLVE	0.0080	0.0	0.0	0.0	0.0	1.	0.0080	0.0	0.0090	1.0000
DISSOLVE	1.2000	0.7000	1.0000	0.0	0.0	3.	0.8667	0.2517	0.8435	1.3154
DISSOLVE	0.0370	0.0	0.0	0.0	0.0	1.	0.0370	0.0	0.0370	1.0000
DISSOLVE	0.0050	0.0020	0.0010	0.0	0.0	3.	0.0027	0.0021	0.0022	2.2418
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.0400	0.0400	0.0400	0.0	0.0	3.	0.0400	0.0000	0.0400	1.0000
DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
DISSOLVE	0.0070	0.0040	0.0040	0.0	0.0	3.	0.0050	0.0017	0.0048	1.3814
DISSOLVE	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
19.0 TEMP. (C)	162.0	COND.	8.1	PH						
ORGN	0.0370	0.0680	0.0830	0.0	0.0	3.	0.0627	0.0235	0.0593	1.5233

00Y08B00002

PELLE RIVER AT PELLY CROSSING

LEFT BANK 100. Z 1. 8 JULY 1982 1032

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0540	0.0440	0.0520	0.0450	5.	0.0484	0.0044	0.0482	1.0940
WATER DISSOLVE	PTOT	0.0060	0.0030	0.0020	0.0	3.	0.0037	0.0021	0.0033	1.7430
WATER DISSOLVE	N/N	0.0030	0.1790	0.0030	0.0	3.	0.0617	0.1016	0.0117	10.5979
WATER DISSOLVE	NH3	0.0130	0.0410	0.0030	0.0	3.	0.0180	0.0197	0.0117	3.7087
WATER DISSOLVE	TDM	0.0700	0.2420	0.0700	0.0	3.	0.1273	0.0893	0.1058	2.0466
WATER TOTAL	TIC	18.0000	18.0000	17.0000	0.0	3.	17.6667	0.5774	17.6603	1.0334
WATER TOTAL	TOC	3.4000	4.3000	4.4000	0.0	3.	4.0333	0.5507	4.0058	1.1534
WATER DISSOLVE	CU	0.0060	0.0070	0.0050	0.0	3.	0.0060	0.0010	0.0059	1.1834
WATER DISSOLVE	CU	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	FE	1.0000	1.1000	1.1000	0.0	3.	1.0667	0.0577	1.0656	1.0566
WATER DISSOLVE	FE	0.0330	0.0	0.0	0.0	1.	0.0330	0.0	0.0330	1.0000
WATER DISSOLVE	PB	0.0010	0.0020	0.0010	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER DISSOLVE	PB	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0400	0.0400	0.0400	0.0	3.	0.0400	0.0000	0.0400	1.0000
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	HG	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	ZN	0.0030	0.0040	0.0030	0.0	3.	0.0033	0.0006	0.0033	1.1808
WATER DISSOLVE	ZN	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	19.0 TEMP. (C)	162.0 COND.	8.1 PH	0.0	0.0	3.	0.0467	0.0319	0.0424	1.7750
WATER DISSOLVE	ORGN	0.0540	0.0220	0.0640	0.0	3.	0.0467	0.0319	0.0424	1.7750

00YT098C0002

PELLY RIVER AT PELLY CROSSING

LEFT BANK 150. Z 1. 8 JULY 1982 1022

WATER	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAK	S.D.	G.M.	G.F.
	PTOT	0.0460	0.0470	0.0610	0.0530	0.0560	6.	0.0513	0.0041	0.0512	1.0648
	PTOT	0.0030	0.0040	0.0050	0.0	0.0	3.	0.0040	0.0010	0.0038	1.2818
	N/N	0.0020	0.0020	1.4000	0.0	0.0	3.	0.4813	0.8302	0.0178	44.6356
	NH3	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
	TOTN	0.0740	0.0740	1.5600	0.0	0.0	3.	0.5693	0.8579	0.2044	5.8123
	TIC	17.0000	17.0000	18.0000	0.0	0.0	3.	17.3333	0.5774	17.3270	1.0334
	TOC	4.5000	4.1000	4.6000	0.0	0.0	3.	4.4000	0.2646	4.3946	1.0630
	CU	0.0070	0.0040	0.0020	0.0	0.0	3.	0.0043	0.0025	0.0038	1.8730
	CU	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
	FE	1.0000	0.9000	0.9000	0.0	0.0	3.	0.9333	0.0577	0.9322	1.0627
	FE	0.0150	0.0	0.0	0.0	0.0	1.	0.0150	0.0	0.0150	1.0000
	PB	0.0010	0.0010	0.0020	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
	PB	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
	MN	0.0400	0.0400	0.0400	0.0	0.0	3.	0.0400	0.0000	0.0400	1.0000
	MN	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
	Hg *	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
	ZN	0.0110	0.0120	0.0110	0.0	0.0	3.	0.0113	0.0006	0.0113	1.0515
	ZN	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
	19.0 TEMP. (C)		162.0 COND.								
	ORGN	0.0700	0.0700	0.1180	0.0	0.0	3.	0.0860	0.0277	0.0833	1.3519

19.0 TEMP. (C)

8.1 PH

00YT086C0002

PELLY RIVER AT PELLY CROSSING

LEFT BANK 200. Z 1. 8 JULY 1982 1012

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	PTOT	0.0500	0.0550	0.0340	0.0560	6.	0.0930	0.1042	0.0673	2.1514
DISSOLVE	PTOT	0.0020	0.0070	0.0050	0.0	3.	0.0047	0.0025	0.0041	1.9125
DISSOLVE	N/N	0.0210	0.0260	0.0020	0.0	3.	0.0163	0.0127	0.0103	4.1505
DISSOLVE	NH3	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	TDN	0.0690	0.0720	0.0680	0.0	3.	0.0697	0.0021	0.0696	1.0301
TOTAL	TIC	18.0000	17.0000	17.0000	0.0	3.	17.3333	0.5774	17.3270	1.0334
TOTAL	TOC	4.3000	4.5000	4.7000	0.0	3.	4.5000	0.2000	4.4970	1.0455
DISSOLVE	CU	0.0030	0.0040	0.0060	0.0	3.	0.0043	0.0015	0.0042	1.4156
TOTAL	FE	0.9000	0.9000	1.1000	0.0	1.	0.0040	0.0	0.0040	1.0000
DISSOLVE	FE	0.0100	0.0	0.0	0.0	3.	0.9667	0.1155	0.9623	1.1228
TOTAL	PB	0.0010	0.0040	0.0010	0.0	1.	0.0100	0.0	0.0100	1.0000
DISSOLVE	PB	0.0010	0.0	0.0	0.0	3.	0.0020	0.0017	0.0016	2.2265
TOTAL	MN	0.0300	0.0300	0.0400	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	MN	0.0100	0.0	0.0	0.0	3.	0.0333	0.0058	0.0330	1.1807
TOTAL	HG *	0.0500	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
DISSOLVE	HG *	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
TOTAL	ZN	0.0080	0.0140	0.0110	0.0	1.	0.0500	0.0	0.0500	1.0000
DISSOLVE	ZN	0.0010	0.0	0.0	0.0	3.	0.0110	0.0030	0.0107	1.3240
						1.	0.0010	0.0	0.0010	1.0000
	18.0 TEMP. (C)		162.0 COND.		8.1 PH					
DISSOLVE	ORGN	0.0460	0.0440	0.0640	0.0	3.	0.0513	0.0110	0.0506	1.2271

PELLE RIVER AT FARO

00YT09BC00008

LEFT BANK 40. Z 1.

7 JULY 1982 1159

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0380	0.0310	0.0490	0.0340	0.0540	6.	0.0432	0.0101	0.0422	1.2712
WATER DISSOLVE	0.0050	0.0040	0.0050	0.0	0.0	3.	0.0047	0.0006	0.0046	1.1375
WATER DISSOLVE	0.0030	0.0020	0.0030	0.0	0.0	3.	0.0027	0.0006	0.0026	1.2639
WATER DISSOLVE	0.0020	0.0020	0.0080	0.0	0.0	3.	0.0040	0.0035	0.0032	2.2264
WATER DISSOLVE	0.0820	0.0770	0.0780	0.0	0.0	3.	0.0790	0.0026	0.0790	1.0338
WATER TOTAL	19.0000	19.0000	20.0000	0.0	0.0	3.	19.3333	0.5774	19.3276	1.0300
WATER TOTAL	1.6000	2.8000	2.4000	0.0	0.0	3.	2.2667	0.6110	2.2071	1.3352
WATER DISSOLVE	0.0020	0.0070	0.0050	0.0	0.0	3.	0.0047	0.0025	0.0041	1.9125
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.4100	0.4200	0.3500	0.0	0.0	3.	0.3933	0.0379	0.3921	1.1041
WATER DISSOLVE	0.0220	0.0	0.0	0.0	0.0	1.	0.0220	0.0	0.0220	1.0000
WATER DISSOLVE	0.0010	0.0020	0.0010	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER DISSOLVE	0.0200	0.0200	0.0200	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	3.	0.0200	0.0	0.0200	1.0000
WATER DISSOLVE	0.1200	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0050	0.0110	0.0050	0.0	0.0	1.	0.1200	0.0	0.1200	1.0000
WATER DISSOLVE	0.0020	0.0	0.0	0.0	0.0	3.	0.0070	0.0035	0.0065	1.5765
WATER DISSOLVE	0.0770	0.0730	0.0670	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	0.0770	0.0730	0.0670	0.0	0.0	3.	0.0723	0.0050	0.0722	1.0726

18.5 TEMP. (C)

8.1 PH

155.0 COND.

00YTO9BC0008

PELLY RIVER AT FARO

LEFT BANK 80. Z 1. 7 JULY 1982 1210

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	PTOT	0.0280	0.0330	0.0430	0.0380	6.	0.0357	0.0052	0.0353	1.1595
DISSOLVE	PTOT	0.0030	0.0040	0.0030	0.0	3.	0.0033	0.0006	0.0033	1.1808
WATER	N/N	0.0060	0.0020	0.0110	0.0	3.	0.0063	0.0045	0.0051	2.3730
DISSOLVE	NH3	0.0060	0.0030	0.0070	0.0	3.	0.0053	0.0021	0.0050	1.5704
WATER	TDN	0.0720	0.0750	0.0600	0.0	3.	0.0690	0.0079	0.0687	1.1261
DISSOLVE	TDN	20.0000	18.0000	19.0000	0.0	3.	19.0000	1.0000	18.9824	1.0540
WATER	TIC	2.8000	3.8000	2.8000	0.0	3.	3.1333	0.5773	3.1000	1.1928
DISSOLVE	TIC	0.0250	0.0040	0.0110	0.0	3.	0.0133	0.0107	0.0103	2.5041
WATER	CU	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	CU	0.3300	0.3200	0.4600	0.0	3.	0.3700	0.0781	0.3649	1.2229
WATER	FE	0.0210	0.0	0.0	0.0	1.	0.0210	0.0	0.0210	1.0000
DISSOLVE	FE	0.0020	0.0020	0.0010	0.0	3.	0.0017	0.0006	0.0016	1.4922
WATER	PB	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	PB	0.0200	0.0200	0.0200	0.0	3.	0.0200	0.0	0.0200	1.0000
WATER	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
DISSOLVE	MN	0.1200	0.0	0.0	0.0	1.	0.1200	0.0	0.1200	1.0000
WATER	HG *	0.0100	0.0170	0.0080	0.0	3.	0.0117	0.0047	0.0111	1.4728
DISSOLVE	HG *	0.0050	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
WATER	ZN	18.5 TEMP. (C)	155.0 COND.	8.1 PH	0.0	3.	0.0573	0.0142	0.0561	1.2995
DISSOLVE	ZN	0.0600	0.0700	0.0420	0.0	3.	0.0573	0.0142	0.0561	1.2995

00Y09BC0008

PELLE RIVER AT FARO

LEFT BANK 120. Z 1.

7 JULY 1982 1219

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0350	0.0290	0.0280	0.0660	6.	0.0380	0.0141	0.0363	1.3636
WATER DISSOLVE	PTOT	0.0060	0.0050	0.0030	0.0	3.	0.0047	0.0015	0.0045	1.4324
WATER DISSOLVE	N/N	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	NH3	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	TDN	0.0710	0.0660	0.0700	0.0	3.	0.0690	0.0026	0.0690	1.0394
WATER TOTAL	TIC	20.0000	18.0000	20.0000	0.0	3.	19.3333	1.1547	19.3098	1.0627
WATER TOTAL	TOC	2.8000	5.0000	2.0000	0.0	3.	3.2667	1.5535	3.0366	1.5896
WATER DISSOLVE	CU	0.0120	0.0110	0.0180	0.0	3.	0.0137	0.0038	0.0133	1.3006
WATER DISSOLVE	FE	0.7000	0.4800	0.4800	0.0	3.	0.5533	0.1270	0.0010	1.0000
WATER DISSOLVE	FE	0.0210	0.0	0.0	0.0	1.	0.0210	0.0	0.0210	1.2434
WATER DISSOLVE	PB	0.0010	0.0010	0.0010	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	PB	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0300	0.0200	0.0200	0.0	3.	0.0233	0.0058	0.0229	1.2637
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	HG *	0.0300	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	ZN	0.0050	0.0050	0.0060	0.0	3.	0.0053	0.0006	0.0053	1.1109
WATER DISSOLVE	ZN	0.0030	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	18.5 TEMP. (C)	0.0670	155.0 COND.	0.0	8.1 PH	3.	0.0650	0.0026	0.0650	1.0420
WATER DISSOLVE	ORGN	0.0670	0.0620	0.0660	0.0	3.	0.0650	0.0026	0.0650	1.0420

00YT09AH0012

NORDENSKIOLD RIVER AT MOUTH

6 JULY 1982 1540

LEFT BANK 8. 2 1.

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0220	0.0210	0.0230	0.0240	0.0060	6.	0.0197	0.0068	0.0180	1.7148
WATER DISSOLVE	0.0040	0.0240	0.0030	0.0	0.0	3.	0.0103	0.0118	0.0066	3.0856
WATER DISSOLVE	0.0130	0.0030	0.0040	0.0	0.0	3.	0.0067	0.0055	0.0054	2.1749
WATER DISSOLVE	0.0050	0.0020	0.0020	0.0	0.0	3.	0.0030	0.0017	0.0027	1.6974
WATER DISSOLVE	0.1700	0.1720	0.1770	0.0	0.0	3.	0.1730	0.0036	0.1730	1.0209
WATER TOTAL	27.0000	28.0000	27.0000	0.0	0.0	3.	27.3333	0.5774	27.3293	1.0211
WATER TOTAL	7.5000	6.7000	6.6000	0.0	0.0	3.	6.9333	0.4934	6.9219	1.0724
WATER DISSOLVE	0.0050	0.0030	0.0170	0.0	0.0	3.	0.0083	0.0076	0.0063	2.4385
WATER TOTAL	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	0.2900	0.2900	0.2900	0.0	0.0	3.	0.2900	0.0	0.2900	1.0000
WATER TOTAL	0.0600	0.0	0.0	0.0	0.0	1.	0.0600	0.0	0.0600	1.0000
WATER DISSOLVE	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0300	0.0300	0.0300	0.0	0.0	3.	0.0300	0.0000	0.0300	1.0000
WATER TOTAL	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	0.0420	0.0130	0.0470	0.0	0.0	3.	0.0340	0.0184	0.0295	2.0376
WATER DISSOLVE	0.0060	0.0	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER DISSOLVE	0.1520	0.1680	0.1710	0.0	0.0	3.	0.1637	0.0102	0.1634	1.0656

16.0 TEMP. (C)

185.0 COND.

8.1 PH

02YTO9AC0001

TAKHINI RIVER AT MOUTH

LEFT BANK 25. Z 1. 30 JULY 1982 956

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0470	0.0480	0.0510	0.0470	0.0	5.	0.0488	0.0020	0.0488	1.0425
DISSOLVE	0.0020	0.0020	0.0050	0.0	0.0	3.	0.0030	0.0017	0.0027	1.6974
DISSOLVE	0.0220	0.0140	0.0180	0.0	0.0	3.	0.0180	0.0040	0.0177	1.2541
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0670	0.0540	0.0580	0.0	0.0	3.	0.0597	0.0067	0.0594	1.1161
TOTAL	4.0000	4.0000	4.2000	0.0	0.0	3.	4.0667	0.1154	4.0656	1.0286
TOTAL	2.7000	2.5000	2.7000	0.0	0.0	3.	2.6333	0.1154	2.6316	1.0454
DISSOLVE	0.0080	0.0070	0.0020	0.0	0.0	3.	0.0057	0.0032	0.0048	2.1485
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	1.2000	1.9000	1.1000	0.0	0.0	3.	1.4000	0.4359	1.3587	1.3413
DISSOLVE	0.0280	0.0	0.0	0.0	0.0	1.	0.0280	0.0	0.0280	1.0000
DISSOLVE	0.0040	0.0040	0.0010	0.0	0.0	3.	0.0030	0.0017	0.0025	2.2265
DISSOLVE	0.0200	0.0300	0.0200	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.0100	0.0	0.0	0.0	0.0	3.	0.0233	0.0058	0.0229	1.2637
DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
DISSOLVE	0.0140	0.0010	0.0060	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	3.	0.0070	0.0066	0.0044	3.8475
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.0430	0.0380	0.0380	0.0	0.0	3.	0.0387	0.0029	0.0396	1.0739

17.0 TEMP. (C) 7.6 PH

ORGN 0.0 COND.

00YT09AC0001

TAKHINI RIVER AT MOUTH

LEFT BANK 50. Z 1. 30 JULY 1982 1003

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0680	0.0470	0.0480	0.0490	0.0430	6.	0.0503	0.0094	0.0497	1.1815
WATER DISSOLVE	0.0030	0.0020	0.0	0.0	0.0	2.	0.0025	0.0007	0.0024	1.3320
WATER DISSOLVE	0.0220	0.0170	0.0360	0.0	0.0	3.	0.0250	0.0098	0.0238	1.4641
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0700	0.0570	0.0820	0.0	0.0	3.	0.0897	0.0125	0.0689	1.2000
WATER TOTAL	4.0000	4.8000	4.6000	0.0	0.0	3.	4.4667	0.4163	4.4533	1.1001
WATER TOTAL	2.7000	3.1000	2.5000	0.0	0.0	3.	2.7667	0.3055	2.7556	1.1152
WATER DISSOLVE	0.0030	0.0060	0.0060	0.0	0.0	3.	0.0050	0.0017	0.0048	1.4923
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	1.7000	1.7000	1.4000	0.0	0.0	3.	1.6000	0.1732	1.5835	1.1186
WATER DISSOLVE	0.0260	0.0	0.0	0.0	0.0	1.	0.0260	0.0	0.0260	1.0000
WATER DISSOLVE	0.0040	0.0050	0.0030	0.0	0.0	3.	0.0040	0.0010	0.0039	1.2918
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0200	0.0300	0.0300	0.0	0.0	3.	0.0267	0.0058	0.0262	1.2637
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	0.0050	0.0110	0.0100	0.0	0.0	3.	0.0087	0.0032	0.0082	1.5378
WATER DISSOLVE	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	0.0460	0.0510	0.0440	0.0	0.0	3.	0.0470	0.0036	0.0469	1.0787

17.0 TEMP. (C) 0.0 COND. 7.6 PH

00YT09AC0001

TAKHINI RIVER AT MOUTH

30 JULY 1982 1012

LEFT BANK 75.2 1.

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER										
TOTAL	0.0460	0.0450	0.0450	0.0450	0.0450	6.	0.0448	0.0033	0.0447	1.0776
DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0130	0.0240	0.0180	0.0180	0.0180	3.	0.0183	0.0055	0.0178	1.3590
DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0620	0.0840	0.0540	0.0540	0.0540	3.	0.0700	0.0212	0.0680	1.3345
TOTAL	4.4000	4.8000	4.4000	4.4000	4.4000	3.	4.5333	0.2309	4.5285	1.0515
TOTAL	2.9000	2.7000	2.5000	2.5000	2.5000	3.	2.7000	0.2000	2.6951	1.0771
TOTAL	0.0040	0.0040	0.0040	0.0040	0.0040	3.	0.0040	0.0	0.0040	1.0000
DISSOLVE	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
TOTAL	1.5000	1.6000	1.6000	1.6000	1.6000	3.	1.5667	0.0577	1.5659	1.0380
DISSOLVE	0.0330	0.0	0.0	0.0	0.0	1.	0.0330	0.0	0.0330	1.0000
TOTAL	0.0030	0.0030	0.0030	0.0030	0.0030	3.	0.0033	0.0006	0.0033	1.1808
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
TOTAL	0.0300	0.0300	0.0300	0.0300	0.0300	3.	0.0300	0.0000	0.0300	1.0000
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
TOTAL	0.0600	0.0	0.0	0.0	0.0	1.	0.0600	0.0	0.0600	1.0000
DISSOLVE	0.0090	0.0080	0.0060	0.0060	0.0060	3.	0.0077	0.0015	0.0076	1.2319
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.0470	0.0680	0.0340	0.0340	0.0340	3.	0.0497	0.0172	0.0477	1.4146
DISSOLVE	0.0470	0.0680	0.0340	0.0340	0.0340	3.	0.0497	0.0172	0.0477	1.4146

17.0 TEMP. (C)

7.6 PH

0.0 COND.

A-35

00Y09AB0008

YUKON RIVER ABOVE TAKHINI RIVER
LEFT BANK 50. Z 1. 3 AUG 1982 1325

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0040	0.0060	0.0060	0.0090	4.	0.0062	0.0021	0.0060	1.3925
WATER DISSOLVE	PTOT	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	N/N	0.0020	0.0090	0.0020	0.0	3.	0.0043	0.0040	0.0033	2.3831
WATER DISSOLVE	NH3	0.0030	0.0020	0.0020	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER DISSOLVE	TDN	0.0500	0.1000	0.0420	0.0	3.	0.0640	0.0314	0.0594	1.5823
WATER TOTAL	TIC	8.9000	8.9000	9.4000	0.0	3.	9.0667	0.2890	8.0636	1.0320
WATER TOTAL	TOC	3.3000	3.1000	1.2000	0.0	3.	2.5333	1.1590	2.3068	1.7627
WATER DISSOLVE	CU	0.0010	0.0020	0.0010	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER TOTAL	CU	0.0050	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
WATER DISSOLVE	FE	0.0070	0.0	0.0	0.0	3.	0.0967	0.0252	0.0944	1.3154
WATER TOTAL	FE	0.0010	0.0010	0.0020	0.0	1.	0.0070	0.0	0.0070	1.0000
WATER DISSOLVE	PB	0.0010	0.0	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER TOTAL	MN	0.0100	0.0100	0.0100	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	HG *	0.0500	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	ZN	0.0090	0.0050	0.0040	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	ZN	0.0090	0.0	0.0	0.0	3.	0.0060	0.0026	0.0056	1.5203
WATER DISSOLVE	12.0 TEMP. (C)	0.0450	0.0890	0.0380	0.0	1.	0.0080	0.0	0.0080	1.0000
WATER DISSOLVE	ORGN	0.0450	0.0890	0.0380	0.0	3.	0.0573	0.0276	0.0534	1.5682

7.6 PM

00YT09AB0008

YUKON RIVER ABOVE TAKHINI RIVER

LEFT BANK 100. Z 1. 3 AUG 1982 1315

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0070	0.0070	0.0060	0.0080	0.0	4.	0.0070	0.0008	0.0070	1.1248
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0040	0.0020	0.0050	0.0	0.0	3.	0.0037	0.0015	0.0034	1.6126
WATER DISSOLVE	0.0450	0.0440	0.0670	0.0	0.0	3.	0.0520	0.0130	0.0510	1.2669
WATER TOTAL	9.2000	9.2000	8.6000	0.0	0.0	3.	9.3333	0.2312	9.3314	1.0248
WATER TOTAL	2.7000	1.4000	2.5000	0.0	0.0	3.	2.2000	0.7000	2.1142	1.4320
WATER DISSOLVE	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	0.1200	0.1200	0.0700	0.0	0.0	3.	0.1033	0.0289	0.1003	1.3650
WATER DISSOLVE	0.0050	0.0	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
WATER DISSOLVE	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	0.0050	0.0040	0.0080	0.0	0.0	3.	0.0057	0.0021	0.0054	1.4245
WATER DISSOLVE	0.0060	0.0	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
12.0 TEMP. (C)	0.0380	0.0400	0.0600	0.0	0.0	3.	0.0463	0.0118	0.0454	1.2734
ORGN	0.0380	0.0400	0.0600	0.0	0.0	3.	0.0463	0.0118	0.0454	1.2734

7.6 PH

0.0 COND.

00YTO9AB00008

YUKON RIVER ABOVE TAKHINI RIVER

LEFT BANK 150. Z 1.

3 AUG 1982 1305

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER										
TOTAL DISSOLVE	PTOT	0.0060	0.0080	0.0070	0.0090	4.	0.0075	0.0013	0.0074	1.1907
WATER DISSOLVE	PTOT	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	N/N	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	NH3	0.0030	0.0040	0.0030	0.0	3.	0.0033	0.0006	0.0033	1.1808
WATER DISSOLVE	TDN	0.0480	0.0450	0.0460	0.0	3.	0.0463	0.0015	0.0463	1.0333
WATER TOTAL	TIC	9.1000	9.6000	9.4000	0.0	3.	9.3667	0.2517	9.3644	1.0273
WATER TOTAL	TOC	2.9000	2.3000	2.5000	0.0	3.	2.5667	0.3055	2.5548	1.1246
WATER DISSOLVE	CU	0.0010	0.0010	0.0010	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	CU	0.0020	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	FE	0.0800	0.0800	0.0800	0.0	3.	0.0833	0.0058	0.0832	1.0703
WATER TOTAL	FE	0.0050	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
WATER DISSOLVE	PB	0.0010	0.0010	0.0010	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	PB	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0100	0.0100	0.0100	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	HG *	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	HG *	0.0040	0.0030	0.0010	0.0	3.	0.0027	0.0015	0.0023	2.0785
WATER DISSOLVE	ZN	0.0050	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
WATER DISSOLVE	12.0 TEMP. (C)	0.0430	0.0390	0.0410	0.0	3.	0.0410	0.0020	0.0410	1.0500
WATER DISSOLVE	ORGN	0.0430	0.0390	0.0410	0.0	3.	0.0410	0.0020	0.0410	1.0500

7.6 PH

0.0 COND.

00YT09AB0011

LAKE LABERGE AT OUTLET

LEFT BANK 200. Z 1. 4 AUG 1982 1235

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0080	0.0040	0.0050	0.0040	0.0	0.0	4.	0.0052	0.0019	0.0050	1.3866
WATER DISSOLVE	0.0030	0.0050	0.0030	0.0	0.0	0.0	3.	0.0037	0.0012	0.0036	1.3431
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0480	0.0440	0.0530	0.0	0.0	0.0	3.	0.0483	0.0045	0.0482	1.0875
WATER TOTAL	9.4000	9.4000	9.6000	0.0	0.0	0.0	3.	9.4667	0.1162	9.4662	1.0122
WATER TOTAL	2.7000	2.9000	2.9000	0.0	0.0	0.0	3.	2.8333	0.1155	2.8317	1.0421
WATER DISSOLVE	0.0010	0.0020	0.0020	0.0	0.0	0.0	3.	0.0017	0.0006	0.0016	1.4922
WATER TOTAL	0.0040	0.0	0.0	0.0	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER DISSOLVE	0.0400	0.0300	0.0500	0.0	0.0	0.0	3.	0.0400	0.0100	0.0391	1.2919
WATER TOTAL	0.0220	0.0	0.0	0.0	0.0	0.0	1.	0.0220	0.0	0.0220	1.0000
WATER DISSOLVE	0.0010	0.0010	0.0010	0.0	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	0.0010	0.0	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	0.0100	0.0	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	0.0010	0.0040	0.0040	0.0	0.0	0.0	3.	0.0030	0.0017	0.0025	2.2265
WATER DISSOLVE	0.0020	0.0	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	0.0440	0.0400	0.0490	0.0	0.0	0.0	3.	0.0443	0.0045	0.0442	1.1068

12.0 TEMP. (C)

8.0 PH

0.0 COND.

A-41

00YT05AA0008

TAGISH RIVER AT TAGISH BRIDGE

LEFT BANK 200. Z 1. 26 JULY 1982 1536

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.H.	G.F.
WATER	PTOT	0.0040	0.0070	0.0030	0.0040	0.0040	6.	0.0043	0.0014	0.0042	1.3193
WATER	PTOT	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	N/N	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	NH3	0.0050	0.0040	0.0050	0.0	0.0	3.	0.0047	0.0006	0.0046	1.1375
WATER	TDN	0.0490	0.0470	0.0550	0.0	0.0	3.	0.0517	0.0064	0.0514	1.1287
WATER	TIC	8.1000	8.3000	7.4000	0.0	0.0	3.	7.9333	0.4727	7.9238	1.0623
WATER	TDC	3.1000	2.5000	2.6000	0.0	0.0	3.	2.7333	0.3214	2.7212	1.1214
WATER	CU	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER	CU	0.0040	0.0	0.0	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER	FE	0.0700	0.0800	0.0600	0.0	0.0	3.	0.0700	0.0100	0.0695	1.1548
WATER	FE	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER	PB	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER	PB	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	MN	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER	MN	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	HG *	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	ZN	0.0010	0.0010	0.0080	0.0	0.0	3.	0.0033	0.0040	0.0020	3.3221
WATER	ZN	0.0060	0.0	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER	16.0 TEMP. (C)	0.0420	0.0410	0.0520	0.0	0.0	3.	0.0450	0.0061	0.0447	1.1397
WATER	ORGN	0.0420	0.0410	0.0520	0.0	0.0	3.	0.0450	0.0061	0.0447	1.1397
WATER	16.0 TEMP. (C)	0.0420	0.0410	0.0520	0.0	0.0	3.	0.0450	0.0061	0.0447	1.1397

00YT09AA0008

TAGISH RIVER AT TAGISH BRIDGE

LEFT BANK 400. Z 1. 26 JULY 1982 1527

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0040	0.0040	0.0050	0.0100	0.0030	6.	0.0052	0.0025	0.0048	1.5028
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0020	0.0040	0.0020	0.0	0.0	3.	0.0027	0.0012	0.0025	1.4922
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0400	0.0460	0.0370	0.0	0.0	3.	0.0410	0.0046	0.0408	1.1166
WATER TOTAL	7.6000	7.4000	6.6000	0.0	0.0	3.	7.2000	0.5292	7.1867	1.0778
WATER TOTAL	2.4000	2.8000	3.4000	0.0	0.0	3.	2.8667	0.5033	2.8376	1.1907
WATER DISSOLVE	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0190	0.0240	0.0170	0.0	0.0	3.	0.0200	0.0036	0.0198	1.1924
WATER DISSOLVE	0.0060	0.0	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER DISSOLVE	0.0010	0.0020	0.0010	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER DISSOLVE	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	0.0080	0.0070	0.0040	0.0	0.0	3.	0.0063	0.0021	0.0061	1.4448
WATER DISSOLVE	0.0080	0.0	0.0	0.0	0.0	1.	0.0080	0.0	0.0080	1.0000
16.0 TEMP. (C)	0.0 COND. 7.7 PH									
ORGN	0.0360	0.0400	0.0330	0.0	0.0	3.	0.0363	0.0035	0.0362	1.1011

00YT09AA0008

TAGISH RIVER AT TAGISH BRIDGE

LEFT BANK 600. Z 1. 26 JULY 1982 1518

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER										
TOTAL	0.0040	0.0030	0.0020	0.0030	0.0020	6.	0.0032	0.0012	0.0030	1.4431
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER										
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER										
DISSOLVE	0.0020	0.0020	0.0040	0.0	0.0	3.	0.0027	0.0012	0.0025	1.4922
WATER										
DISSOLVE	0.0360	0.0520	0.0410	0.0	0.0	3.	0.0430	0.0082	0.0425	1.2050
WATER										
TOTAL	7.0000	7.0000	7.4000	0.0	0.0	3.	7.1333	0.2310	7.1309	1.0326
WATER										
TOTAL	3.6000	3.0000	2.4000	0.0	0.0	3.	3.0000	0.6000	2.9595	1.2252
WATER										
DISSOLVE	0.0010	0.0010	0.0020	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER										
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER										
DISSOLVE	0.0200	0.0210	0.0200	0.0	0.0	3.	0.0203	0.0006	0.0203	1.0285
WATER										
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER										
DISSOLVE	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER										
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER										
DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER										
DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER										
DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER										
DISSOLVE	0.0050	0.0050	0.0050	0.0	0.0	3.	0.0050	0.0	0.0050	1.0000
WATER										
DISSOLVE	0.0040	0.0	0.0	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER										
DISSOLVE	0.0320	0.0480	0.0320	0.0	0.0	3.	0.0373	0.0092	0.0366	1.2637

16.0 TEMP. (C)

7.7 PH

0.0 COND.

TAGISH RIVER AT TAGISH BRIDGE

LEFT BANK 800. Z 1. 26 JULY 1982 1509

26 JULY 1982 1509

LEFT BANK 800. Z 1.

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0050	0.0080	0.0110	0.0060	0.0070	6.	0.0073	0.0021	0.0071	1.3067
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0070	0.0040	0.0020	0.0	0.0	3.	0.0043	0.0025	0.0038	1.8730
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0400	0.0500	0.0380	0.0	0.0	3.	0.0427	0.0064	0.0424	1.1571
TOTAL	7.4000	7.4000	7.4000	0.0	0.0	3.	7.4000	0.0	7.4000	1.0000
TOTAL	2.8000	2.8000	3.0000	0.0	0.0	3.	2.8667	0.1155	2.8651	1.0406
DISSOLVE	0.0010	0.0020	0.0010	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
TOTAL	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
DISSOLVE	0.0220	0.0270	0.0260	0.0	0.0	3.	0.0250	0.0026	0.0249	1.1151
TOTAL	0.0600	0.0	0.0	0.0	0.0	1.	0.0600	0.0	0.0600	1.0000
DISSOLVE	0.0010	0.0020	0.0010	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
TOTAL	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
TOTAL	0.0080	0.0080	0.0060	0.0	0.0	3.	0.0077	0.0015	0.0076	1.2319
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
16.0 TEMP. (C) 0.0 COND. 7.7 PH										
DISSOLVE	0.0310	0.0410	0.0340	0.0	0.0	3.	0.0353	0.0051	0.0351	1.1531

00YT09AA0009

BENNETT LAKE OUTLET AT CARCROSS

LEFT BANK 80. Z 1. 26 JULY 1982 1243

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0050	0.0050	0.0050	0.0060	0.0060	6.	0.0060	0.0011	0.0059	1.1881
DISSOLVE	0.0020	0.0020	0.0050	0.0	0.0	3.	0.0030	0.0017	0.0027	1.6974
DISSOLVE	0.0360	0.0190	0.0280	0.0	0.0	3.	0.0277	0.0085	0.0268	1.3798
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0720	0.0620	0.0630	0.0	0.0	3.	0.0623	0.0100	0.0618	1.1777
TOTAL	6.0000	6.0000	6.8000	0.0	0.0	3.	6.2667	0.4620	6.2956	1.0749
TIC	2.7000	2.9000	2.1000	0.0	0.0	3.	2.5667	0.4163	2.5428	1.1848
TDC	0.0040	0.0080	0.0020	0.0	0.0	3.	0.0050	0.0036	0.0042	2.1230
CU	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
FE	0.1700	0.1600	0.1600	0.0	0.0	3.	0.1633	0.0058	0.1633	1.0356
FE	0.0070	0.0	0.0	0.0	0.0	1.	0.0070	0.0	0.0070	1.0000
PB	0.0030	0.0010	0.0030	0.0	0.0	3.	0.0020	0.0012	0.0021	1.8858
PB	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
MN	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
MN	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
HG *	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
ZN	0.0050	0.0030	0.0040	0.0	0.0	3.	0.0040	0.0010	0.0039	1.2918
ZN	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
11.0 TEMP. (C)										
ORGN	0.0340	0.0310	0.0330	0.0	0.0	3.	0.0327	0.0015	0.0326	1.0482
DISSOLVE										

7.8 PH

0.0 COND.

00Y08AA0008

BENNETT LAKE OUTLET AT CARCROSS

LEFT BANK 160. Z 1. 26 JULY 1982 1234

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0080	0.0060	0.0050	0.0080	6.	0.0065	0.0014	0.0064	1.2414
WATER DISSOLVE	PTOT	0.0020	0.0030	0.0020	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER DISSOLVE	N/N	0.0480	0.0350	0.0360	0.0	3.	0.0397	0.0072	0.0393	1.1910
WATER DISSOLVE	NH3	0.0030	0.0020	0.0020	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER DISSOLVE	TDN	0.0740	0.0660	0.0630	0.0	3.	0.0677	0.0057	0.0675	1.0863
WATER TOTAL	TIC	6.0000	6.0000	6.0000	0.0	3.	6.0000	-0.0	6.0000	1.0000
WATER TOTAL	TDC	3.1000	2.9000	2.9000	0.0	3.	2.9667	0.1154	2.9652	1.0392
WATER TOTAL	CU	0.0040	0.0030	0.0050	0.0	3.	0.0040	0.0010	0.0039	1.2918
WATER DISSOLVE	CU	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	FE	0.0800	0.1000	0.1500	0.0	3.	0.1100	0.0361	0.1063	1.3753
WATER DISSOLVE	FE	0.0060	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER TOTAL	PB	0.0010	0.0020	0.0020	0.0	3.	0.0017	0.0006	0.0016	1.4822
WATER DISSOLVE	PB	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	MN	0.0100	0.0100	0.0100	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	HG *	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	HG *	0.0070	0.0030	0.0060	0.0	3.	0.0053	0.0021	0.0050	1.5704
WATER TOTAL	ZN	0.0060	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER DISSOLVE	ZN	0.0060	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER DISSOLVE	11.0 TEMP. (C)	0.0230	0.0290	0.0250	0.0	3.	0.0257	0.0031	0.0255	1.1245
WATER DISSOLVE	ORGN	0.0230	0.0290	0.0250	0.0	3.	0.0257	0.0031	0.0255	1.1245

7.8 PH

00YT09AA0009

BENNETT LAKE OUTLET AT CARCROSS

LEFT BANK 240.2 1. 26 JULY 1982 1226

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0180	0.0200	0.0200	0.0200	0.0270	6.	0.0215	0.0033	0.0213	1.1604
DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0340	0.0350	0.0370	0.0	0.0	3.	0.0353	0.0015	0.0353	1.0438
DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
DISSOLVE	0.0630	0.0650	0.0580	0.0	0.0	3.	0.0620	0.0036	0.0619	1.0606
TOTAL	6.6000	6.6000	5.3000	0.0	0.0	3.	6.1667	0.7508	6.1346	1.1350
TOTAL	2.9000	2.9000	2.9000	0.0	0.0	3.	2.9000	0.0	2.9000	1.0000
DISSOLVE	0.0100	0.0030	0.0030	0.0	0.0	3.	0.0053	0.0040	0.0045	2.0040
TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.1400	0.0900	0.1200	0.0	0.0	3.	0.1167	0.0252	0.1148	1.2514
DISSOLVE	0.0090	0.0	0.0	0.0	0.0	1.	0.0090	0.0	0.0090	1.0000
TOTAL	0.0020	0.0040	0.0010	0.0	0.0	3.	0.0023	0.0015	0.0020	2.0001
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
TOTAL	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
TOTAL	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
DISSOLVE	0.0050	0.0080	0.0040	0.0	0.0	3.	0.0060	0.0026	0.0056	1.5203
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
11.0 TEMP.(C)	0.0270	0.0280	0.0280	0.0	0.0	3.	0.0280	0.0010	0.0280	1.0363
ORGN	0.0270	0.0280	0.0280	0.0	0.0	3.	0.0280	0.0010	0.0280	1.0363
7.8 PH	0.0	0.0	0.0	0.0	0.0	3.	0.0280	0.0010	0.0280	1.0363

A-49

00YT09AE0001

TESLIN LAKE OUTLET AT JOHNSON'S CROSSING

LEFT BANK 40. Z 1. 28 JULY 1982 1314

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0230	0.0150	0.0250	0.0370	0.0310	6.	0.0285	0.0093	0.0271	1.4341
WATER DISSOLVE	0.0130	0.0070	0.0060	0.0	0.0	3.	0.0087	0.0038	0.0082	1.5056
WATER DISSOLVE	0.0210	0.0180	0.0230	0.0	0.0	3.	0.0207	0.0025	0.0206	1.1319
WATER DISSOLVE	0.1750	0.1660	0.1600	0.0	0.0	3.	0.1670	0.0075	0.1669	1.0461
WATER DISSOLVE	0.5000	0.4840	0.5020	0.0	0.0	3.	0.4953	0.0099	0.4953	1.0202
WATER TOTAL	13.0000	13.0000	13.0000	0.0	0.0	3.	13.0000	0.0	13.0000	1.0000
WATER TOTAL	5.8000	5.0000	4.6000	0.0	0.0	3.	5.1333	0.6110	5.1086	1.1246
WATER DISSOLVE	0.0010	0.0070	0.0010	0.0	0.0	3.	0.0030	0.0035	0.0019	3.0756
WATER DISSOLVE	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	0.0500	0.0500	0.0600	0.0	0.0	3.	0.0533	0.0058	0.0531	1.1110
WATER DISSOLVE	0.0140	0.0	0.0	0.0	0.0	1.	0.0140	0.0	0.0140	1.0000
WATER DISSOLVE	0.0010	0.0030	0.0020	0.0	0.0	3.	0.0020	0.0010	0.0018	1.7430
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	0.0040	0.0170	0.0040	0.0	0.0	3.	0.0083	0.0075	0.0065	2.3057
WATER DISSOLVE	0.0210	0.0	0.0	0.0	0.0	1.	0.0210	0.0	0.0210	1.0000
16.0 TEMP. (C)		0.0 COND.			7.9 PH					
ORGN	0.3040	0.2910	0.3190	0.0	0.0	3.	0.3047	0.0140	0.3045	1.0470

00YTO9AE0001

TESLIN LAKE OUTLET AT JOHNSON'S CROSSING

LEFT BANK 80. Z 1. 28 JULY 1982 1305

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0110	0.0800	0.0120	0.0140	0.0140	0.0252	0.0270	0.0186	2.1030
DISSOLVE	PTOT	0.0080	0.0120	0.0	0.0	0.0	0.0100	0.0028	0.0098	1.3320
WATER DISSOLVE	N/N	0.0120	0.0120	0.0130	0.0	0.0	0.0123	0.0006	0.0123	1.0472
DISSOLVE	NH3	0.1070	0.1510	0.1010	0.0	0.0	0.1197	0.0273	0.1177	1.2428
WATER DISSOLVE	TDN	0.3940	0.4090	0.4020	0.0	0.0	0.4017	0.0075	0.4016	1.0189
WATER TOTAL	TIC	13.0000	14.0000	13.0000	0.0	0.0	13.3333	0.5774	13.3251	1.0437
WATER TOTAL	TDC	4.8000	6.4000	4.6000	0.0	0.0	5.2667	0.9866	5.2087	1.1968
WATER TOTAL	CU	0.0030	0.0020	0.0020	0.0	0.0	0.0023	0.0006	0.0023	1.2638
DISSOLVE	CU	0.0030	0.0	0.0	0.0	0.0	0.0030	0.0	0.0030	1.0000
WATER TOTAL	FE	0.2500	0.1700	0.1400	0.0	0.0	0.1867	0.0569	0.1812	1.3433
DISSOLVE	FE	0.0160	0.0	0.0	0.0	0.0	0.0160	0.0	0.0160	1.0000
WATER TOTAL	PB	0.0020	0.0010	0.0010	0.0	0.0	0.0013	0.0006	0.0013	1.4923
DISSOLVE	PB	0.0010	0.0	0.0	0.0	0.0	0.0010	0.0	0.0010	1.0000
WATER TOTAL	MN	0.0100	0.0100	0.0100	0.0	0.0	0.0100	0.0	0.0100	1.0000
DISSOLVE	MN	0.0100	0.0	0.0	0.0	0.0	0.0100	0.0	0.0100	1.0000
WATER TOTAL	HG *	0.0500	0.0	0.0	0.0	0.0	0.0500	0.0	0.0500	1.0000
DISSOLVE	HG *	0.0500	0.0	0.0	0.0	0.0	0.0500	0.0	0.0500	1.0000
WATER TOTAL	ZN	0.0100	0.0140	0.0060	0.0	0.0	0.0100	0.0040	0.0094	1.5321
DISSOLVE	ZN	0.0260	0.0	0.0	0.0	0.0	0.0260	0.0	0.0260	1.0000
WATER DISSOLVE	16.0 TEMP. (C)	0.2750	0.2460	0.2880	0.0	0.0	0.2697	0.0215	0.2691	1.0844
	ORGN	0.2750	0.2460	0.2880	0.0	0.0	0.2697	0.0215	0.2691	1.0844
	16.0 TEMP. (C)	0.2750	0.2460	0.2880	0.0	0.0	0.2697	0.0215	0.2691	1.0844
	ORGN	0.2750	0.2460	0.2880	0.0	0.0	0.2697	0.0215	0.2691	1.0844

00Y09AE0001

TESLIN LAKE OUTLET AT JOHNSON'S CROSSING

LEFT BANK 120. Z 1. 28 JULY 1982 1254

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0200	0.0250	0.0170	0.0110	0.0150	6.	0.0177	0.0047	0.0171	1.3190
WATER DISSOLVE	0.0100	0.0080	0.0060	0.0	0.0	3.	0.0083	0.0021	0.0081	1.3095
WATER DISSOLVE	0.0200	0.0180	0.0180	0.0	0.0	3.	0.0190	0.0010	0.0190	1.0540
WATER DISSOLVE	0.1750	0.1840	0.2000	0.0	0.0	3.	0.1897	0.0130	0.1894	1.0725
WATER DISSOLVE	0.6830	0.6700	0.6750	0.0	0.0	3.	0.6760	0.0066	0.6760	1.0097
WATER TOTAL	13.0000	13.0000	13.0000	0.0	0.0	3.	13.0000	0.0	13.0000	1.0000
WATER TOTAL	4.6000	5.0000	6.1000	0.0	0.0	3.	5.2333	0.7767	5.1962	1.1560
WATER DISSOLVE	0.0010	0.0050	0.0040	0.0	0.0	3.	0.0033	0.0021	0.0027	2.3917
WATER TOTAL	0.0030	0.0	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	0.0900	0.3200	0.0800	0.0	0.0	3.	0.1633	0.1358	0.1321	2.1568
WATER TOTAL	0.0140	0.0	0.0	0.0	0.0	1.	0.0140	0.0	0.0140	1.0000
WATER DISSOLVE	0.0010	0.0020	0.0020	0.0	0.0	3.	0.0017	0.0006	0.0016	1.4922
WATER TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0900	0.0	0.0	0.0	0.0	1.	0.0900	0.0	0.0900	1.0000
WATER TOTAL	0.0070	0.0160	0.0180	0.0	0.0	3.	0.0137	0.0059	0.0126	1.6731
WATER DISSOLVE	0.0450	0.0	0.0	0.0	0.0	1.	0.0450	0.0	0.0450	1.0000
WATER DISSOLVE	0.4880	0.4580	0.4560	0.0	0.0	3.	0.4673	0.0179	0.4671	1.0387

16.0 TEMP. (C) 7.9 PH
 COND. 0.0

COYT09AE0001

TESLIN LAKE OUTLET AT JOHNSON'S CROSSING

LEFT BANK 160. Z 1. 28 JULY 1982 1245

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	0.0170	0.0150	0.0200	0.0200	0.0130	0.0140	6.	0.0165	0.0030	1.2004
TOTAL	0.0050	0.0030	0.0030	0.0030	0.0	0.0	3.	0.0037	0.0012	1.3431
DISSOLVE	0.0100	0.0030	0.0020	0.0020	0.0	0.0	3.	0.0050	0.0044	2.3086
WATER	0.0040	0.0040	0.0020	0.0020	0.0	0.0	3.	0.0033	0.0012	1.4921
DISSOLVE	0.1270	0.1080	0.1080	0.1080	0.0	0.0	3.	0.1150	0.0104	1.0822
WATER	13.0000	13.0000	13.0000	13.0000	0.0	0.0	3.	13.0000	0.0	1.0000
TOTAL	5.0000	5.0000	5.7000	5.7000	0.0	0.0	3.	5.2333	0.4041	1.0786
DISSOLVE	0.0030	0.0010	0.0040	0.0040	0.0	0.0	3.	0.0027	0.0015	2.0785
WATER	0.0060	0.0	0.0	0.0	0.0	0.0	1.	0.0060	0.0	1.0000
TOTAL	0.1700	0.0700	0.2400	0.2400	0.0	0.0	3.	0.1600	0.0854	1.8883
DISSOLVE	0.0120	0.0	0.0	0.0	0.0	0.0	1.	0.0120	0.0	1.0000
WATER	0.0010	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	1.0000
TOTAL	0.0010	0.0	0.0	0.0	0.0	0.0	1.	0.0010	0.0	1.0000
DISSOLVE	0.0100	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	1.0000
WATER	0.0500	0.0	0.0	0.0	0.0	0.0	1.	0.0500	0.0	1.0000
TOTAL	0.0050	0.0060	0.0060	0.0060	0.0	0.0	3.	0.0057	0.0006	1.1109
DISSOLVE	0.0250	0.0	0.0	0.0	0.0	0.0	1.	0.0250	0.0	1.0000
16.0 TEMP. (C)	0.1130	0.1020	0.1050	0.1050	0.0	0.0	3.	0.1067	0.0057	1.0542
ORGN	0.1130	0.1020	0.1050	0.1050	0.0	0.0	3.	0.1067	0.0057	1.0542

7.9 PH

ATLIN LAKE AT OUTLET

008C09AA0004

LEFT BANK 500. Z 1. 27 JULY 1982 1402

WATER	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOTAL	0.0030	0.0020	0.0040	0.0020	0.0050	6.	0.0032	0.0012	0.0030	1.4431
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0030	0.0020	0.0020	0.0	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0420	0.0340	0.0310	0.0	0.0	3.	0.0357	0.0057	0.0354	1.1684
WATER	TOTAL	10.0000	10.0000	11.0000	0.0	0.0	3.	10.3333	0.5774	10.3228	1.0566
WATER	TOTAL	3.0000	2.4000	2.8000	0.0	0.0	3.	2.7333	0.3055	2.7216	1.1210
WATER	DISSOLVE	0.0030	0.0010	0.0010	0.0	0.0	3.	0.0017	0.0012	0.0014	1.8857
WATER	DISSOLVE	0.0240	0.0160	0.0180	0.0	0.0	3.	0.0193	0.0042	0.0190	1.2319
WATER	DISSOLVE	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0100	0.0	0.0	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER	DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	DISSOLVE	0.0400	0.0080	0.0110	0.0	0.0	3.	0.0197	0.0177	0.0152	2.3450
WATER	DISSOLVE	0.0460	0.0	0.0	0.0	0.0	1.	0.0460	0.0	0.0460	1.0000
WATER	DISSOLVE	0.0370	0.0300	0.0270	0.0	0.0	3.	0.0313	0.0051	0.0311	1.1739

008C09AA0004

ATLIN LAKE AT OUTLET

LEFT BANK 600. Z 1. 27 JULY 1982 1409

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0020	0.0030	0.0020	0.0020	0.0020	6.	0.0022	0.0004	0.0021	1.1803
WATER DISSOLVE	PTOT	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	N/N	0.0030	0.0030	0.0020	0.0	0.0	3.	0.0027	0.0006	0.0026	1.2639
WATER DISSOLVE	NH3	0.0030	0.0020	0.0020	0.0	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER DISSOLVE	TDN	0.0360	0.0330	0.0310	0.0	0.0	3.	0.0333	0.0025	0.0333	1.0780
WATER TOTAL	TIC	11.0300	11.0000	11.0000	0.0	0.0	3.	11.0000	-0.0	11.0000	1.0000
WATER TOTAL	TOC	2.3000	2.2000	2.6000	0.0	0.0	3.	2.5333	0.3055	2.5207	1.1315
WATER TOTAL	CU	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	CU	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	FE	0.0200	0.0220	0.0150	0.0	0.0	3.	0.0190	0.0036	0.0188	1.2206
WATER DISSOLVE	FE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	PB	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	MN	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	HG *	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	ZN	0.0090	0.0090	0.0110	0.0	0.0	3.	0.0097	0.0012	0.0096	1.1228
WATER DISSOLVE	ZN	0.0200	0.0	0.0	0.0	0.0	1.	0.0200	0.0	0.0200	1.0000
WATER DISSOLVE	11.0 TEMP. (C)	0.0300	0.0280	0.0270	0.0	8.1 PH	3.	0.0283	0.0015	0.0283	1.0549
WATER DISSOLVE	ORGN	0.0300	0.0280	0.0270	0.0	0.0	3.	0.0283	0.0015	0.0283	1.0549

00BC09AA0004

ATLIN LAKE AT OUTLET

LEFT BANK 800. Z 1. 27 JULY 1982 1416

WATER	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOTAL	0.0020	0.0020	0.0020	0.0020	0.0020	6.	0.0020	0.0000	0.0020	1.0095
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0320	0.0310	0.0290	0.0020	0.0020	3.	0.0307	0.0015	0.0306	1.0515
WATER	TOTAL	11.0000	11.0000	11.0000	0.0020	0.0020	3.	11.0000	-0.0	11.0000	1.0000
WATER	TOTAL	2.2000	1.8000	1.8000	0.0020	0.0020	3.	1.8333	0.2309	1.9245	1.1228
WATER	DISSOLVE	0.0010	0.0010	0.0010	0.0020	0.0020	3.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0120	0.0220	0.0110	0.0020	0.0020	3.	0.0150	0.0061	0.0143	1.4588
WATER	DISSOLVE	0.0010	0.0010	0.0010	0.0020	0.0020	3.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0010	0.0010	0.0010	0.0020	0.0020	3.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0100	0.0100	0.0100	0.0020	0.0020	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0100	0.0020	0.0020	0.0020	0.0020	3.	0.0100	0.0	0.0100	1.0000
WATER	DISSOLVE	0.0500	0.0020	0.0020	0.0020	0.0020	1.	0.0500	0.0	0.0500	1.0000
WATER	DISSOLVE	0.0100	0.0150	0.0090	0.0020	0.0020	3.	0.0113	0.0032	0.0111	1.3095
WATER	DISSOLVE	0.0220	0.0020	0.0020	0.0020	0.0020	1.	0.0220	0.0	0.0220	1.0000
WATER	DISSOLVE	0.0280	0.0270	0.0250	0.0020	0.0020	3.	0.0267	0.0015	0.0266	1.0595

11.0 TEMP. (C)

ORGN

8.1 PH

A-57

00YT08CA0005

KLUANE LAKE OUTLET

LEFT BANK 8. Z 1. 21 JULY 1982 1400

WATER	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOTAL	0.0050	0.0040	0.0050	0.0050	0.0050	5.	0.0046	0.0005	0.0046	1.1302
WATER	DISSOLVE	0.0030	0.0040	0.0020	0.0020	0.0020	3.	0.0030	0.0010	0.0029	1.4166
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0020	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0430	0.0560	0.0440	0.0440	0.0440	3.	0.0477	0.0072	0.0473	1.1575
WATER	TOTAL	20.0000	20.0000	20.0000	20.0000	20.0000	3.	20.0000	0.0	20.0000	1.0000
WATER	TOTAL	2.3000	1.9000	2.5000	2.5000	2.5000	3.	2.2333	0.3055	2.2189	1.1511
WATER	DISSOLVE	0.0020	0.0010	0.0050	0.0050	0.0050	3.	0.0027	0.0021	0.0022	2.2419
WATER	TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0700	0.0600	0.0600	0.0600	0.0600	3.	0.0633	0.0058	0.0632	1.0930
WATER	TOTAL	0.0060	0.0	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
WATER	DISSOLVE	0.0030	0.0030	0.0030	0.0030	0.0030	3.	0.0030	0.0000	0.0030	1.0000
WATER	TOTAL	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0100	0.0100	0.0100	0.0100	0.0100	3.	0.0100	0.0	0.0100	1.0000
WATER	TOTAL	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	DISSOLVE	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	TOTAL	0.0080	0.0050	0.0050	0.0050	0.0050	3.	0.0060	0.0017	0.0058	1.3117
WATER	DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0390	0.0520	0.0400	0.0400	0.0400	3.	0.0437	0.0072	0.0433	1.1727

13.0 TEMP. (C)

8.1 PH

0.0 COND.

00YT09CA0005

KLUANE LAKE OUTLET

LEFT BANK 16. Z 1. 21 JULY 1982 1410

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0050	0.0050	0.0050	0.0050	0.0060	5.	0.0052	0.0004	0.0052	1.0851
WATER DISSOLVE	0.0060	0.0020	0.0020	0.0	0.0	3.	0.0033	0.0023	0.0029	1.8857
WATER DISSOLVE	0.0020	0.0040	0.0020	0.0	0.0	3.	0.0027	0.0012	0.0025	1.4922
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0660	0.0730	0.0660	0.0	0.0	3.	0.0683	0.0040	0.0683	1.0599
WATER TOTAL	19.0000	20.0000	18.0000	0.0	0.0	3.	18.0000	1.0000	18.9824	1.0540
WATER TOTAL	3.1000	1.9000	4.3000	0.0	0.0	3.	3.1000	1.2000	2.9367	1.5084
WATER DISSOLVE	0.0030	0.0020	0.0010	0.0	0.0	3.	0.0020	0.0010	0.0018	1.7430
WATER TOTAL	0.0120	0.0	0.0	0.0	0.0	1.	0.0120	0.0	0.0120	1.0000
WATER DISSOLVE	0.0800	0.0900	0.1200	0.0	0.0	3.	0.0967	0.0208	0.0952	1.2319
WATER DISSOLVE	0.0040	0.0	0.0	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER TOTAL	0.0030	0.0030	0.0070	0.0	0.0	3.	0.0043	0.0023	0.0040	1.6310
WATER DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER TOTAL	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	0.0060	0.0160	0.0030	0.0	0.0	3.	0.0083	0.0068	0.0066	2.3189
WATER DISSOLVE	0.0060	0.0	0.0	0.0	0.0	1.	0.0060	0.0	0.0060	1.0000
13.0 TEMP. (C)	0.0620	0.0670	0.0620	0.0	0.0	3.	0.0637	0.0029	0.0636	1.0458
ORGN	0.0620	0.0670	0.0620	0.0	0.0	3.	0.0637	0.0029	0.0636	1.0458
NON-RESI	0.0620	0.0670	0.0620	0.0	0.0	3.	0.0637	0.0029	0.0636	1.0458

13.0 TEMP. (C)

0.0 COND.

8.1 PH

00YT09CD0001

YUKON RIVER AT MOUTH OF WHITE RIVER

15 JULY 1982 1200

LEFT BANK 50. Z 1.

	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOT	0.0140	0.0210	0.0170	0.0170	0.0150	6.	0.0170	0.0024	0.0169	1.1527
WATER	DISSOLVE	0.0040	0.0040	0.0040	0.0	0.0	3.	0.0040	0.0	0.0040	1.0000
WATER	N/N	0.0080	0.0050	0.0040	0.0	0.0	3.	0.0057	0.0021	0.0054	1.4245
WATER	NH3	0.0030	0.0030	0.0030	0.0	0.0	3.	0.0030	0.0000	0.0030	1.0000
WATER	TDN	0.0990	0.0860	0.0860	0.0	0.0	3.	0.0933	0.0067	0.0932	1.0750
WATER	TIC	15.0000	15.0000	14.0000	0.0	0.0	3.	14.6667	0.5774	14.6590	1.0406
WATER	TDC	4.0000	3.4000	4.9000	0.0	0.0	3.	4.1000	0.7550	4.0543	1.2009
WATER	CU	0.0030	0.0010	0.0020	0.0	0.0	3.	0.0020	0.0010	0.0018	1.7430
WATER	CU	0.0040	0.0	0.0	C.O	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER	FE	0.6000	0.4700	0.5000	0.0	0.0	3.	0.5233	0.0681	0.5205	1.1354
WATER	FE	0.0130	0.0	0.0	0.0	0.0	1.	0.0130	0.0	0.0130	1.0000
WATER	PB	0.0010	0.0010	0.0020	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER	PB	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	MN	0.0200	0.0200	0.0200	0.0	0.0	3.	0.0200	0.0	0.0200	1.0000
WATER	MN	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	HG *	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	ZN	0.0060	0.0030	0.0030	0.0	0.0	3.	0.0040	0.0017	0.0038	1.4922
WATER	ZN	0.0130	0.0	0.0	0.0	0.0	1.	0.0130	0.0	0.0130	1.0000
	18.0 TEMP. (C)		110.0 COND.			0.0 PH					
WATER	ORGN	0.0880	0.0870	0.0790	0.0	0.0	3.	0.0847	0.0049	0.0846	1.0611

00YTO8CD0001

YUKON RIVER AT MOUTH OF WHITE RIVER

LEFT BANK 100. Z 1. 15 JULY 1982 1210

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
TOTAL	0.0220	0.0210	0.0180	0.0180	0.0320	6.	0.0202	0.0018	0.0201	1.0968
DISSOLVE	0.0070	0.0030	0.0020	0.0	0.0	3.	0.0040	0.0026	0.0035	1.8951
WATER	0.0040	0.0090	0.0100	0.0	0.0	3.	0.0077	0.0032	0.0071	1.6510
DISSOLVE	0.0030	0.0080	0.0180	0.0	0.0	3.	0.0090	0.0087	0.0066	2.5937
WATER	0.0800	0.1530	0.0750	0.0	0.0	3.	0.1027	0.0437	0.0972	1.4834
DISSOLVE	15.0000	15.0000	16.0000	0.0	0.0	3.	15.3333	0.5774	15.3262	1.0379
WATER	3.2000	3.3000	3.3000	0.0	0.0	3.	3.2667	0.0577	3.2663	1.0179
TOTAL	0.0010	0.0010	0.0030	0.0	0.0	3.	0.0017	0.0012	0.0014	1.8857
DISSOLVE	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER	0.5500	0.5000	0.6000	0.0	0.0	3.	0.5500	0.0500	0.5485	1.0955
DISSOLVE	0.0360	0.0	0.0	0.0	0.0	1.	0.0360	0.0	0.0360	1.0000
WATER	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	0.0100	0.0200	0.0100	0.0	0.0	3.	0.0133	0.0058	0.0126	1.4921
DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
DISSOLVE	0.0060	0.0040	0.0050	0.0	0.0	3.	0.0060	0.0010	0.0049	1.2251
WATER	0.0150	0.0	0.0	0.0	0.0	1.	0.0150	0.0	0.0150	1.0000
DISSOLVE	0.0730	0.1390	0.0460	0.0	0.0	3.	0.0860	0.0478	0.0776	1.7427
WATER	18.0 TEMP. (C) 110.0 COND. 0.0 PH									
DISSOLVE	0.0730	0.1390	0.0460	0.0	0.0	3.	0.0860	0.0478	0.0776	1.7427

WHITE RIVER AT MOUTH

LEFT BANK 25. Z 1.

15 JULY 1982 1130

00YT09CC0001

	PARAMETER	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOTAL									
WATER	DISSOLVE	PTOT	0.2250	0.2350	0.2450	6.	0.2333	0.0082	0.2332	1.0355
WATER	DISSOLVE	PTOT	0.0040	0.0060	0.0040	3.	0.0047	0.0012	0.0046	1.2639
WATER	DISSOLVE	N/N	0.0060	0.0070	0.0130	3.	0.0087	0.0038	0.0082	1.5056
WATER	DISSOLVE	NH3	0.0020	0.0020	0.0030	3.	0.0023	0.0006	0.0023	1.2638
WATER	DISSOLVE	TDN	0.0780	0.0980	0.0910	3.	0.0890	0.0101	0.0886	1.1235
WATER	TOTAL	TIC	20.0000	20.0000	19.0000	3.	19.6667	0.5774	19.6609	1.0300
WATER	TOTAL	TDC	3.1000	3.5000	3.9000	3.	3.5000	0.4000	3.4847	1.1217
WATER	DISSOLVE	CU	0.0180	0.0180	0.0060	3.	0.0020	0.0069	0.0125	1.8856
WATER	TOTAL	FE	0.0017	0.0018	0.0000	1.	0.0020	0.0	0.0020	1.0000
WATER	DISSOLVE	FE	0.0140	0.0	6.5000	3.	2.1678	3.7518	0.0271	115.1380
WATER	TOTAL	PB	0.0030	0.0030	0.0020	1.	0.0140	0.0	0.0140	1.0000
WATER	DISSOLVE	PB	0.0010	0.0	0.0	3.	0.0027	0.0006	0.0026	1.2639
WATER	TOTAL	MN	0.2900	0.3300	0.1100	1.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	MN	0.0100	0.0	0.0	3.	0.2433	0.1172	0.2182	1.8230
WATER	TOTAL	Hg *	0.0500	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	DISSOLVE	ZN	0.0430	0.0430	0.0150	3.	0.0337	0.0162	0.0303	1.8368
WATER	DISSOLVE	ZN	0.0040	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER	DISSOLVE	ORGN	0.0700	0.0800	0.0750	3.	0.0783	0.0104	0.0779	1.1386

00YT08CC0001

WHITE RIVER AT MOUTH

LEFT BANK 75. Z

1.

15 JULY 1982 1150

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	1.1750	1.0250	1.1000	1.1250	1.2000	6.	1.1042	0.0787	1.1017	1.0755
WATER DISSOLVE	0.0040	0.0090	0.0050	0.0	0.0	3.	0.0060	0.0026	0.0056	1.5203
WATER DISSOLVE	0.0890	0.0870	0.0870	0.0	0.0	3.	0.0877	0.0012	0.0877	1.0130
WATER DISSOLVE	0.0090	0.0110	0.0060	0.0	0.0	3.	0.0087	0.0025	0.0084	1.3617
WATER DISSOLVE	0.1830	0.1340	0.1380	0.0	0.0	3.	0.1517	0.0272	0.1501	1.1878
WATER TOTAL	52.0000	53.0000	62.0000	0.0	0.0	3.	55.6667	5.5076	55.4911	1.1013
WATER TOTAL	4.7000	6.4000	3.2000	0.0	0.0	3.	4.7667	1.6010	4.5829	1.4152
WATER DISSOLVE	0.0700	0.0800	0.0600	0.0	0.0	3.	0.0700	0.0100	0.0695	1.1548
WATER DISSOLVE	0.0062	0.0062	0.0055	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	0.1200	0.0	0.0	0.0	0.0	3.	0.0060	0.0004	0.0060	1.0715
WATER DISSOLVE	0.0030	0.0020	0.0020	0.0	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER DISSOLVE	0.0020	0.0	0.0	0.0	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	1.3000	1.2000	1.2000	0.0	0.0	3.	1.2333	0.0577	1.2324	1.0473
WATER DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	0.0700	0.0	0.0	0.0	0.0	1.	0.0700	0.0	0.0700	1.0000
WATER DISSOLVE	0.1000	0.0800	0.0900	0.0	0.0	3.	0.0933	0.0058	0.0932	1.0627
WATER DISSOLVE	0.0280	0.0	0.0	0.0	0.0	1.	0.0280	0.0	0.0280	1.0000
18.0 TEMP. (C)	185.0	COND.	0.0	0.0	0.0	3.	0.0553	0.0261	0.0516	1.5517
ORGN	0.0850	0.0360	0.0450	0.0	0.0	3.	0.0553	0.0261	0.0516	1.5517

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00YT09DD00011

MCQUESTEN RIVER AT BRIDGE

LEFT BANK 30. Z 1. 8 JULY 1982 1628

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0110	0.0070	0.0300	0.0070	6.	0.0107	0.0098	0.0078	2.3968
WATER DISSOLVE	PTOT	0.0050	0.0040	0.0020	0.0	3.	0.0037	0.0015	0.0034	1.6126
WATER DISSOLVE	N/N	0.0260	0.0280	0.0200	0.0	3.	0.0247	0.0042	0.0244	1.1934
WATER DISSOLVE	NH3	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	TDN	0.0890	0.0720	0.0670	0.0	3.	0.0760	0.0115	0.0754	1.1590
WATER TOTAL	TIC	23.0000	24.0000	24.0000	0.0	3.	23.6667	0.5774	23.6619	1.0247
WATER TOTAL	TOC	4.1000	4.1000	3.5000	0.0	3.	3.9000	0.3464	3.8894	1.0856
WATER DISSOLVE	CU	0.0020	0.0010	0.0020	0.0	3.	0.0017	0.0006	0.0016	1.4922
WATER DISSOLVE	CU	0.0030	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	FE	0.2600	0.1500	0.1600	0.0	3.	0.1900	0.0608	0.1841	1.3508
WATER DISSOLVE	FE	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	PB	0.0020	0.0020	0.0010	0.0	3.	0.0017	0.0006	0.0016	1.4822
WATER TOTAL	PB	0.0010	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0300	0.0200	0.0200	0.0	3.	0.0233	0.0058	0.0229	1.2637
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	HG *	0.0500	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER TOTAL	ZN	0.0100	0.0090	0.0030	0.0	3.	0.0073	0.0038	0.0065	1.9479
WATER DISSOLVE	ZN	0.0030	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	17.0 TEMP. (C)	0.0610	0.0420	0.0450	0.0	3.	0.0483	0.0102	0.0487	1.2196
	ORGN	0.0610	0.0420	0.0450	0.0	3.	0.0483	0.0102	0.0487	1.2196
					8.0 PH					

A-67

00YT09AF0001

TESLIN RIVER AT MOUTH

LEFT BANK 60.2 1. 4 AUG 1982 1420

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	PTOT	0.0150	0.0140	0.0140	0.0130	0.0150	0.0142	0.0008	0.0141	1.0555
WATER DISSOLVE	PTOT	0.0090	0.0020	0.0020	0.0	0.0	0.0043	0.0040	0.0033	2.3831
WATER DISSOLVE	N/N	0.0030	0.0030	0.0030	0.0	0.0	0.0030	0.0000	0.0030	1.0000
WATER DISSOLVE	NH3	0.0020	0.0020	0.0020	0.0	0.0	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	TDN	0.0920	0.0920	0.0920	0.0	0.0	0.0920	-0.0	0.0920	1.0000
WATER TOTAL	TIC	15.0000	15.0000	15.0000	0.0	0.0	15.0000	-0.0	15.0000	1.0000
WATER TOTAL	TDC	4.9000	4.9000	5.0000	0.0	0.0	4.9333	0.0577	4.9331	1.0117
WATER DISSOLVE	CU	0.0020	0.0010	0.0010	0.0	0.0	0.0013	0.0006	0.0013	1.4923
WATER DISSOLVE	CU	0.0030	0.0	0.0	0.0	0.0	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	FE	0.3100	0.2900	0.3300	0.0	0.0	0.3100	0.0200	0.3096	1.0667
WATER DISSOLVE	FE	0.0200	0.0	0.0	0.0	0.0	0.0200	0.0	0.0200	1.0000
WATER DISSOLVE	PB	0.0010	0.0010	0.0010	0.0	0.0	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	PB	0.0010	0.0	0.0	0.0	0.0	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0100	0.0100	0.0100	0.0	0.0	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	MN	0.0100	0.0	0.0	0.0	0.0	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	HG *	0.0500	0.0	0.0	0.0	0.0	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	ZN	0.0030	0.0030	0.0030	0.0	0.0	0.0030	0.0000	0.0030	1.0000
WATER DISSOLVE	ZN	0.0060	0.0	0.0	0.0	0.0	0.0060	0.0	0.0060	1.0000
WATER DISSOLVE	12.0 TEMP. (C)	0.0870	0.0870	0.0870	0.0	0.0	0.0870	0.0	0.0870	1.0000
WATER DISSOLVE	ORGN	0.0870	0.0870	0.0870	0.0	0.0	0.0870	0.0	0.0870	1.0000

00Y09AF0001

TESLIN RIVER AT MOUTH

LEFT BANK 120. Z 1. 4 AUG 1982 1418

WATER	PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER	TOTAL	0.0150	0.0140	0.0140	0.0160	0.0150	6.	0.0148	0.0008	0.0148	1.0524
WATER	DISSOLVE	0.0050	0.0130	0.0	0.0	0.0	2.	0.0090	0.0057	0.0081	1.9653
WATER	DISSOLVE	0.0020	0.0050	0.0030	0.0	0.0	3.	0.0033	0.0015	0.0031	1.5827
WATER	DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER	DISSOLVE	0.0020	0.1050	0.0880	0.0	0.0	3.	0.0950	0.0089	0.0947	1.0962
WATER	TIC	15.0000	15.0000	17.0000	0.0	0.0	3.	15.6667	1.1547	15.6390	1.0749
WATER	TDC	5.2000	4.9000	3.8000	0.0	0.0	3.	4.6333	0.7371	4.5919	1.1813
WATER	TOTAL	0.0030	0.0010	0.0010	0.0	0.0	3.	0.0017	0.0012	0.0014	1.8957
WATER	DISSOLVE	0.0040	0.0	0.0	0.0	0.0	1.	0.0040	0.0	0.0040	1.0000
WATER	TOTAL	0.2900	0.3200	0.3300	0.0	0.0	3.	0.3133	0.0208	0.3129	1.0698
WATER	DISSOLVE	0.0140	0.0	0.0	0.0	0.0	1.	0.0140	0.0	0.0140	1.0000
WATER	TOTAL	0.0010	0.0010	0.0010	0.0	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER	DISSOLVE	0.0010	0.0	0.0	0.0	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER	TOTAL	0.0100	0.0100	0.0100	0.0	0.0	3.	0.0100	0.0	0.0100	1.0000
WATER	DISSOLVE	0.0100	0.0	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER	TOTAL	0.0500	0.0	0.0	0.0	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER	DISSOLVE	0.0030	0.0020	0.0020	0.0	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER	TOTAL	0.0050	0.0	0.0	0.0	0.0	1.	0.0050	0.0	0.0050	1.0000
WATER	DISSOLVE	0.0880	0.0980	0.0830	0.0	0.0	3.	0.0897	0.0076	0.0895	1.0879

12.0 TEMP. (C)

0.0 COND.

7.8 PH

00YT08AF0001

TESLIN RIVER AT MOUTH

LEFT BANK 180. Z 1. 4 AUG 1982 1416

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER										
TOTAL DISSOLVE	PTOT	0.0160	0.0160	0.0170	0.0150	6.	0.0153	0.0012	0.0153	1.0825
WATER DISSOLVE	PTOT	0.0020	0.0030	0.0020	0.0	3.	0.0023	0.0006	0.0023	1.2638
WATER DISSOLVE	N/N	0.0020	0.0020	0.0070	0.0	3.	0.0037	0.0029	0.0030	2.0613
WATER DISSOLVE	NH3	0.0020	0.0020	0.0020	0.0	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	TDN	0.0890	0.0900	0.0850	0.0	3.	0.0913	0.0032	0.0913	1.0354
WATER TOTAL	TIC	14.0000	17.0000	17.0000	0.0	3.	16.0000	1.7321	15.9346	1.1186
WATER TOTAL	TOC	3.7000	5.3000	0.0	0.0	2.	4.5000	1.1314	4.4283	1.2893
WATER DISSOLVE	CU	0.0010	0.0010	0.0010	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	CU	0.0030	0.0	0.0	0.0	1.	0.0030	0.0	0.0030	1.0000
WATER DISSOLVE	FE	0.2900	0.3400	0.3500	0.0	3.	0.3267	0.0321	0.3256	1.1065
WATER DISSOLVE	PB	0.0420	0.0	0.0	0.0	1.	0.0420	0.0	0.0420	1.0000
WATER DISSOLVE	PB	0.0010	0.0010	0.0010	0.0	3.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0100	0.0100	0.0200	0.0	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	MN	0.0100	0.0100	0.0200	0.0	3.	0.0133	0.0058	0.0126	1.4921
WATER DISSOLVE	HG *	0.0500	0.0	0.0	0.0	1.	0.0100	0.0	0.0100	1.0000
WATER DISSOLVE	ZN	0.0010	0.0010	0.0020	0.0	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	ZN	0.0020	0.0	0.0	0.0	3.	0.0013	0.0006	0.0013	1.4923
WATER DISSOLVE	12.0 TEMP. (C)	0.0850	0.0840	0.0860	0.0	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	ORGN	0.0850	0.0840	0.0860	0.0	3.	0.0850	0.0010	0.0850	1.0116

7.9 PH

0.0 COND.

A-71

008C09AE0010

JENNINGS RIVER AT MOUTH

LEFT BANK 20. Z 1. 27 JULY 1982 1023

PARAMETER	X(I)	X(I)	X(I)	X(I)	X(I)	X(I)	N	XBAR	S.D.	G.M.	G.F.
WATER TOTAL	0.0050	0.0050	0.0060	0.0070	0.0050	0.0057	6.	0.0057	0.0008	0.0056	1.1503
WATER DISSOLVE	0.0040	0.0040	0.0040	0.0	0.0	0.0040	3.	0.0040	0.0	0.0040	1.0000
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER DISSOLVE	0.0020	0.0020	0.0020	0.0	0.0	0.0020	3.	0.0020	0.0000	0.0020	1.0064
WATER TOTAL	0.0700	0.0710	0.0740	0.0	0.0	0.0717	3.	0.0717	0.0021	0.0716	1.0292
WATER DISSOLVE	0.0020	0.0020	0.0010	0.0	0.0	0.0017	3.	0.0017	0.0006	0.0016	1.4922
WATER TOTAL	0.0010	0.0	0.0	0.0	0.0	0.0010	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0370	0.0310	0.0400	0.0	0.0	0.0360	3.	0.0360	0.0046	0.0358	1.1395
WATER TOTAL	0.0180	0.0	0.0	0.0	0.0	0.0180	1.	0.0180	0.0	0.0180	1.0000
WATER DISSOLVE	0.0020	0.0010	0.0010	0.0	0.0	0.0013	3.	0.0013	0.0006	0.0013	1.4923
WATER TOTAL	0.0010	0.0	0.0	0.0	0.0	0.0010	1.	0.0010	0.0	0.0010	1.0000
WATER DISSOLVE	0.0100	0.0100	0.0100	0.0	0.0	0.0100	3.	0.0100	0.0	0.0100	1.0000
WATER TOTAL	0.0500	0.0	0.0	0.0	0.0	0.0500	1.	0.0500	0.0	0.0500	1.0000
WATER DISSOLVE	0.0080	0.0010	0.0030	0.0	0.0	0.0040	3.	0.0040	0.0036	0.0029	2.8300
WATER TOTAL	0.0020	0.0	0.0	0.0	0.0	0.0020	1.	0.0020	0.0	0.0020	1.0000
WATER DISSOLVE	0.0660	0.0670	0.0700	0.0	0.0	0.0677	3.	0.0677	0.0021	0.0676	1.0311
WATER TOTAL	0.0660	0.0670	0.0700	0.0	0.0	0.0677	3.	0.0677	0.0021	0.0676	1.0311

14.0 TEMP. (C)

7.8 PH

0.0 COND.

APPENDIX 2

WATER QUALITY MONITORING DATA

WATER QUALITY BRANCH - PACIFIC AND YUKON REGION
WATER QUALITY ROUTINE MONITORING
GLOSSARY OF VARIABLE CODES

IC	CODE	DESCRIPTION	NAQJADAT NUMBER	DETECTION LIMIT (L=<)
01	T-AF	TEMPERATURE AIR FIELD (CELCIUS)	970605	LO.2
02	T-WF	TEMPERATURE WATER FIELD (CELCIUS)	020615	0.0
05	T-WL	TEMPERATURE WATER LAB (CELCIUS)	02061L	0.0
03	PH-F	PH FIELD	103015	LO.5
06	PH-L	PH LAB.	10301L	LO.5
04	SC-F	SPECIFIC CONDUCTANCE FIELD (US/CM)	020415	LO.5
07	SC-L	SPECIFIC CONDUCTANCE LAB. (US/CM)	02041L	LO.5
08	TURB	TURBIDITY	02073L	LO.5
09	COLR	COLOUR	02011L	LO.5
10	ALKP	ALKALINITY PHENOPHTH. (MG/L) CAC03	10151L	LO.5
11	ALKT	ALKALINITY TOTAL (MG/L) CAC03	10101L	LO.5
12	HARD	HARDNESS TOTAL (MG/L) CAC03	10603L	LO.5
13	CA-D	CALCIUM DISSOLVED (MG/L)	20101L	LO.5
14	MG-D	MAGNESIUM DISSOLVED (MG/L)	12101L	LO.5
15	K -D	POTASSIUM DISSOLVED (MG/L)	19103L	LO.1
16	NA-D	SODIUM DISSOLVED (MG/L)	11103L	LO.1
17	CL-D	CHLORIDE DISSOLVED (MG/L)	17206L	LO.1
18	F -D	FLUORIDE DISSOLVED (MG/L)	09106L	LO.05
19	SI02	SILICA REACTIVE (MG/L)	14105L	LO.2
20	SO4	SULPHATE DISSOLVED (MG/L)	16306L	LO.5
35	N-TD	NITROGEN TOTAL DISSOLVED (MG/L)	07651L	LO.01
21	NN-D	NITRATE NITRITE DISSOLVED (MG/L)	07110L	LO.002
36	P -T	PHOSPHORUS TOTAL (MG/L)	15406L	LO.002
22	RNFL	RESIDUE NONFILTERABLE (MG/L)	10401L	LO.0
23	R-FL	RESIDUE FILTERABLE (MG/L)	10451L	LO.0
24	RNFN	RESIDUE FIXED NONFILTERABLE (MG/L)	10501L	LO.0
25	R-FF	RESIDUE FIXED FILTERABLE (MG/L)	10551L	LO.0
26	AS-X	ARSENIC EXTRACTABLE (MG/L)	33304L	LO.0001
27	SE-X	SELENIUM EXTRACTABLE (MG/L)	34302L	LO.0001
28	CD-X	CADMIUM EXTRACTABLE (MG/L)	4830 P	LO.0005
29	CU-X	COPPER EXTRACTABLE (MG/L)	2930_P	LO.001
30	ZN-X	ZINC EXTRACTABLE (MG/L)	3030_P	LO.001
31	FE-X	IRON EXTRACTABLE (MG/L)	2630_P	LO.001
32	PB-X	LEAD EXTRACTABLE (MG/L)	8230_P	LO.001
40	MB-X	MOLYBDENUM EXTRACTABLE (MG/L)	4230-P	LO.001
33	MN-X	MANGANESE EXTRACTABLE (MG/L)	2530_P	LO.01
34	HG-X	MERCURY EXTRACTABLE (UG/L)	80311P	LO.05
37	CYAN	CYANIDE TOTAL (MG/L)	06606P	LO.0005
38	TIC	TOTAL INORGANIC CARBON (MG/L)	06051L	***
39	TOC	TOTAL ORGANIC CARBON (MG/L)	06001L	***
49	HG-T	MERCURY TOTAL (UG/L)	80011P	LO.05
45	CU-T	COPPER TOTAL (MG/L)	2800_P	LO.001
50	ZN-T	ZINC TOTAL (MG/L)	3000_P	LO.001
46	FE-T	IRON TOTAL (MG/L)	2600_P	LO.001
47	PB-T	LEAD TOTAL (MG/L)	8200_P	LO.001
40	MB-T	MOLYBDENUM TOTAL (MG/L)	4200-P	LO.001
48	MN-T	MANGANESE TOTAL (MG/L)	2500_P	LO.01

*** = VARIABLE DETECTION LIMIT

APPENDIX 2.1

00AK09ED0001 - YUKON RIVER AT EAGLE, ALASKA

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by lay sampler personnel from left bank at Eagle, Alaska. Sample site is located 1950 km from the mouth of the Yukon River and 18 km D/S from the Canada/USA boundary.	LAT 64° 47' 22"N LONG 141° 11' 52"W	290 m (850 ft)	294,000 km ² (113,510 mi ²)	weekly	FIGURE 1 FIGURE 2 PLATE 3 PLATE 4 MAP EAGLE

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD INTERMITTENT 1950 - 1982 (USGS/WRD/HD - 50 - 82)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	618	543	497	513	3540	6260	5090	3980	3040	2250	1150	754
MAXIMUM	787	710	637	665	5140	8670	6010	4540	3720	2900	1370	912
MINIMUM	481	440	378	415	2670	5090	4100	3520	2430	1740	760	523

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982												
1983												

* - ICE CONDITIONS



PLATE 3 WATER QUALITY STATION 00AK09ED0001
 LOOKING FROM EAGLE VILLAGE ALASKA DOWNSTREAM
 AT YUKON RIVER SAMPLE STATION

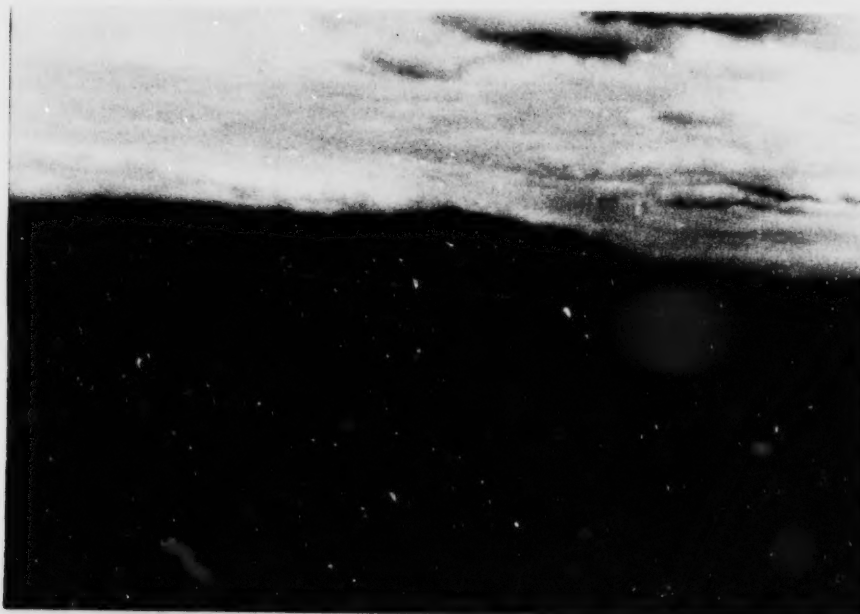


PLATE 4 WATER QUALITY STATION 00AK09ED0001
 LOOKING FROM EAGLE ALASKA UPSTREAM AT YUKON
 RIVER SAMPLE STATION

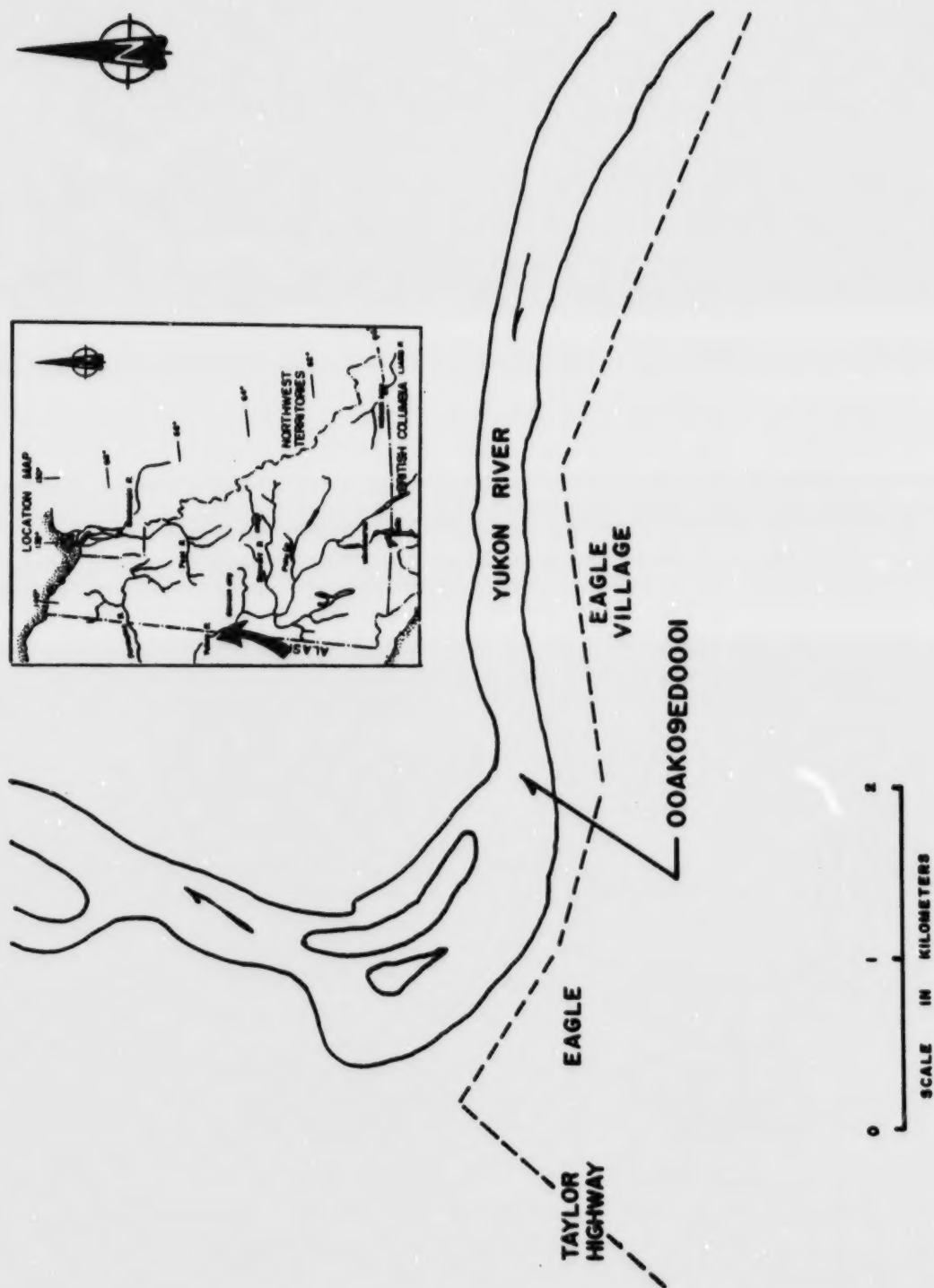


FIGURE 2 YUKON RIVER AT EAGLE ALASKA
WATER QUALITY STATION 00AK09ED0001

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00AK0B00001

REPORT
YUKON RIVER AT EAGLE ALASKA

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
11	7	1982	1400	5		0.0	15.0000	8.1000	152.0000	0.0	8.2000	179.0000	125.0000	100.0000	0.0
11	7	1982	1410	5		0.0	15.0000	8.1000	152.0000	0.0	8.1000	178.0000	170.0000	180.0000	0.0
11	7	1982	1420	5		0.0	15.0000	8.1000	152.0000	0.0	8.1000	179.0000	405.0000	180.0000	0.0
11	7	1982	1430	5		0.0	15.0000	8.1000	152.0000	0.0	8.2000	182.0000	400.0000	80.0000	0.0
22	7	1982	1117	9		17.5000	15.5000	0.0	0.0	21.8000	8.0000	187.0000	340.0000	45.0000	0.0
29	7	1982	1000	9		18.0000	17.0000	0.0	0.0	22.3000	8.0000	206.0000	220.0000	25.0000	0.0
5	8	1982	854	8		12.0000	15.0000	0.0	0.0	20.8000	8.0100	201.0000	450.0000	20.0000	0.0
12	8	1982	1329	9		18.0000	15.0000	0.0	0.0	20.8000	8.0000	202.0000	185.0000	30.0000	0.0
16	8	1982	1410	9		16.0000	10.0000	0.0	0.0	21.0000	8.0000	199.0000	330.0000	30.0000	0.0
26	8	1982	230	8		18.0000	13.0000	0.0	0.0	21.3000	8.1000	204.3000	220.0000	35.0000	0.0
13	9	1982	1330	9		13.0000	9.0000	0.0	0.0	21.6000	8.0000	201.8000	26.0000	13.0000	0.0
16	9	1982	1300	9		18.0000	10.0000	0.0	0.0	21.8000	8.0000	202.2000	7.9000	17.0000	0.0
24	9	1982	1500	9		9.0000	8.0000	0.0	0.0	22.0000	8.0800	213.9000	220.0000	45.0000	0.0
30	9	1982	1440	9		3.0000	6.0000	0.0	0.0	22.1000	7.9000	210.5000	3.0000	7.0000	0.0
7	10	1982	930	9		-3.0000	3.0000	0.0	0.0	22.7000	8.0000	199.8000	4.5500	8.0000	0.0
21	10	1982	1515	9		-5.5000	0.0	0.0	0.0	13.6000	7.9000	220.1000	5.6000	7.0000	0.0
28	10	1982	1000	9		-18.0000	0.0	0.0	0.0	14.2000	7.5500	274.6001	1.9000	7.0000	0.0
12	11	1982	1310	9		-7.0000	0.0	0.0	0.0	20.8000	8.1500	237.0000	0.7500	10.0000	0.0
18	11	1982	1330	9		-36.5000	0.0	0.0	0.0	21.2000	7.9500	174.0000	0.5100	0.0	0.0
24	11	1982	1320	9		-16.5000	0.0	0.0	0.0	21.8000	8.1000	223.0000	5.7000	5.0000	0.0
3	12	1982	1030	8		-22.0000	0.0	0.0	0.0	22.0000	8.0500	413.0000	0.1000	5.0000	0.0
10	12	1982	1045	8		-18.5000	0.0	0.0	0.0	22.0000	7.9500	244.0000	0.8000	10.0000	0.0
17	12	1982	850	9		-27.5000	0.0	0.0	0.0	18.6000	8.2500	318.0000	1.1000	5.0000	0.0
23	12	1982	1125	9		-18.0000	0.0	0.0	0.0	20.1000	8.1000	241.0000	0.6700	5.0000	0.0
30	12	1982	1100	9		-3.0000	0.0	0.0	0.0	20.2000	7.9000	233.0000	0.6200	10.0000	0.0
11	1	1983	1000	9		-48.0000	0.0	0.0	0.0	21.3000	8.1000	244.0000	0.1800	5.0000	0.0
20	1	1983	1100	9		-27.0000	0.0	0.0	0.0	21.3000	8.2000	244.0000	0.2700	5.0000	0.0
22	2	1983	1240	9		-21.0000	0.0	0.0	0.0	22.3000	8.0000	231.0000	3.0000	10.0000	0.0
25	3	1983	1045	9		-15.5000	0.0	0.0	0.0	21.4000	7.7000	218.0000	0.4000	5.0000	0.0
30	3	1983	1530	9		-11.0000	0.5000	0.0	0.0	21.8000	7.7000	228.0000	0.6500	5.0000	0.0
14	5	1983	1335	9		13.0000	5.0000	0.0	0.0	21.1000	7.9500	161.0000	56.0000	100.0000	0.0
20	5	1983	1208	9		12.0000	7.0000	0.0	0.0	21.3000	7.8000	171.0000	12.0000	80.0000	0.0
26	5	1983	1445	9		13.0000	10.0000	0.0	0.0	22.2000	7.9000	164.0000	8.4000	60.0000	0.0
10	6	1983	1545	9		15.5000	11.0000	0.0	0.0	22.3000	7.7000	177.0000	48.0000	50.0000	0.0
20	6	1983	900	9		14.0000	14.0000	0.0	0.0	21.2000	7.9000	176.0000	5.3000	30.0000	0.0
27	7	1983	900	9		19.0000	14.0000	0.0	0.0	17.8000	7.9500	243.0000	270.0000	120.0000	0.0
24	9	1983	1430	9		0.0	0.0	0.0	0.0	22.3000	7.9000	202.0000	145.0000	30.0000	0.0
29	9	1983	1130	9		14.0000	9.0000	0.0	0.0	22.3000	8.0000	207.0000	3.9000	15.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER COAKOBED0001

PACIFIC AND YUKON REGION
YUKON RIVER AT EAGLE ALASKA

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	S102	S04
11	7	1982	1400	5	82.2000	96.5000	16.8000	0.0	1.2000	2.3000	1.6000	0.0500	6.2000	21.0000
11	7	1982	1410	5	77.0000	95.5000	11.1000	0.0	1.4000	2.5000	2.1000	0.0500	6.3000	20.5000
11	7	1982	1420	5	88.1000	85.9000	11.5000	0.0	1.4000	2.5000	2.4000	0.0590	6.2000	20.5000
11	7	1982	1430	5	74.0000	94.6000	26.1000	0.0	1.4000	2.4000	2.5000	0.0560	6.2000	21.0000
22	7	1982	1117	9	78.6000	87.9000	27.9000	6.8500	1.5000	2.3000	0.9000	0.0500	5.8000	19.8000
29	7	1982	1000	9	79.6000	100.0000	28.7000	6.8000	1.7000	2.5000	0.5000	0.0580	5.7000	24.5000
5	8	1982	854	9	82.5000	114.7000	33.7000	7.4000	1.2000	2.8000	1.0000	0.1090	6.4000	15.4000
12	8	1982	1329	9	82.4000	106.8000	31.3000	7.0000	1.2000	2.7000	0.7000	0.0870	5.7000	25.0000
19	8	1982	1410	9	105.1000	116.1000	28.7000	10.8000	1.5000	2.7000	0.6000	0.0860	5.7000	26.5000
26	8	1982	230	8	80.1000	107.0000	33.1000	5.9000	1.2000	2.8000	0.7000	0.0600	5.6000	27.0000
13	9	1982	1330	9	79.9000	105.3000	29.8000	7.5000	0.9000	2.5000	0.6000	0.1050	5.7000	26.0000
16	9	1982	1300	9	80.6000	103.8000	28.9000	7.7000	0.8000	2.4000	0.6000	0.1100	5.6000	24.5000
24	9	1982	1500	9	83.2000	106.5000	29.6000	7.9100	1.1000	2.6000	2.8000	0.0850	5.8000	24.5000
30	9	1982	1440	9	85.1000	108.6000	30.3000	8.2000	1.0000	2.7000	0.6000	0.0730	5.7000	24.5000
7	10	1982	830	9	80.0000	104.0000	29.1000	7.6000	0.9000	2.4000	0.6000	0.0720	5.9000	24.5000
21	10	1982	1515	9	82.9000	107.5000	30.2000	7.8000	0.8000	2.5000	0.6000	0.0600	6.0000	25.5000
28	10	1982	1000	9	110.5000	132.5000	36.5000	10.0000	1.4000	4.5000	1.5000	0.0700	7.0000	21.0000
12	11	1982	1310	9	100.3000	121.3000	35.2000	8.0000	1.0000	2.8000	0.6000	0.0900	7.1000	20.0000
18	11	1982	1330	9	74.7000	134.7000	0.0	0.0	1.3000	3.2000	1.0000	0.0500	7.2000	24.5000
24	11	1982	1320	9	82.8000	117.0000	33.3000	8.2200	0.9000	2.3000	0.5000	0.1050	6.8000	25.0000
3	12	1982	1030	9	172.0000	222.0000	61.4000	16.7000	2.1000	5.2000	1.7000	0.1510	11.5000	51.5000
10	12	1982	1045	9	102.0000	127.0000	35.6000	9.2500	1.2000	2.8000	0.8000	0.1160	7.1000	26.5000
17	12	1982	850	9	135.0000	170.2000	47.7000	12.4000	1.6000	3.9000	1.2000	0.1360	8.5000	35.0000
23	12	1982	1125	9	95.5000	124.0000	35.1000	8.8000	1.5000	3.1000	1.6000	0.1100	6.8000	26.5000
30	12	1982	1100	9	97.7000	122.0000	34.6000	8.6000	1.0000	2.7000	0.8000	0.1050	6.8000	25.5000
11	1	1983	1000	9	102.0000	126.0000	35.7000	8.9500	1.3000	2.9000	0.9000	0.1050	7.1000	24.0000
20	1	1983	1100	9	103.0000	127.0000	36.0000	9.0100	1.3000	3.0000	1.0000	0.1030	7.2000	23.5000
22	2	1983	1240	9	98.0000	120.0000	34.1000	8.5000	1.3000	2.7000	0.6000	0.1080	6.6000	22.5000
25	3	1983	1045	9	92.3000	112.0000	31.3000	8.2000	1.6000	2.8000	1.1000	0.1000	6.2000	21.5000
30	3	1983	1530	9	94.8000	116.0000	32.0000	8.8000	1.6000	2.9000	1.2000	0.1080	6.4000	22.5000
14	5	1983	1335	9	80.4000	86.5000	29.0000	3.4000	1.1000	1.9000	1.1000	0.0940	5.0000	13.2000
20	5	1983	1205	9	70.5000	88.4000	27.4000	4.9000	0.9000	1.8000	0.9000	0.1330	5.1000	13.7000
26	5	1983	1445	9	64.6000	84.1000	23.2000	6.4000	0.9000	1.9000	0.8000	0.0920	5.5000	17.9000
10	6	1983	1545	9	73.5000	80.3000	27.3000	5.4000	1.2000	1.5000	0.8000	0.0820	5.7000	20.0000
20	6	1983	900	9	70.4000	89.5000	23.2000	7.7000	0.8000	1.8000	0.8000	0.0810	6.0000	21.5000
27	7	1983	900	9	88.2000	0.0	0.0	0.0	1.8000	2.9000	1.2000	0.1460	6.8000	20.0000
24	8	1983	1430	9	79.6000	104.0000	28.9000	7.7000	1.0000	2.3000	1.0000	0.1050	6.5000	24.0000
29	8	1983	1130	9	81.2000	106.0000	29.3000	7.7000	0.9000	2.3000	0.6000	0.1020	6.5000	25.0000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER COAKO9ED0001

REPORT
YUKON RIVER AT EAGLE ALASKA

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	R-FN	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
11	7	1982	1400	5	0.0	460.0000	154.0000	448.0000	96.0000	0.0	0.0	0.0	0.0	0.0
11	7	1982	1410	5	0.0	478.0000	216.0000	448.0000	188.0000	0.0	0.0	0.0	0.0	0.0
11	7	1982	1420	5	0.0	500.0000	142.0000	474.0000	88.0000	0.0	0.0	0.0	0.0	0.0
11	7	1982	1430	5	0.0	460.0000	144.0000	446.0000	110.0000	0.0	0.0	0.0	0.0	0.0
22	7	1982	1117	9	0.0850	0.0	0.0	0.0	0.0	0.0045	0.0002	0.0005	0.0200	0.0300
29	7	1982	1000	9	0.0680	0.0	0.0	0.0	0.0	0.0048	0.0003	0.0005	0.0320	0.0500
5	8	1982	854	9	1.4800	0.0	0.0	0.0	0.0	0.0015	0.0001	0.0005	0.0200	0.0400
12	8	1982	1328	9	0.1120	0.0	0.0	0.0	0.0	0.0030	0.0002	0.0005	0.0120	0.0140
19	8	1982	1410	9	2.0300	0.0	0.0	0.0	0.0	0.0008	0.0001	0.0005	0.0150	0.0150
26	8	1982	230	9	0.1480	300.0000	166.0000	280.0000	104.0000	0.0025	0.0003	0.0005	0.0080	0.0170
13	9	1982	1330	9	0.1940	0.0	0.0	0.0	0.0	0.0003	0.0002	0.0005	0.0040	0.0040
16	9	1982	1300	9	0.3340	42.0000	116.0000	36.0000	110.0000	0.0004	0.0003	0.0005	0.0050	0.0060
24	9	1982	1500	9	0.1290	236.0000	238.0000	212.0000	188.0000	0.0025	0.0001	0.0005	0.0080	0.0110
30	9	1982	1440	9	0.0430	38.0000	122.0000	37.0000	101.0000	0.0004	0.0001	0.0	0.0	0.0
7	10	1982	930	9	0.6220	34.0000	133.0000	25.0000	112.0000	0.0003	0.0001	0.0	0.0	0.0
21	10	1982	1515	9	1.1700	52.0000	128.0000	47.0000	101.0000	0.0003	0.0002	0.0005	0.0050	0.0070
23	10	1982	1000	9	0.1440	0.0	0.0	0.0	0.0	0.0001	0.0003	0.0005	0.0050	0.0080
12	11	1982	1310	9	0.0810	6.0000	224.0000	2.0000	214.0000	0.0003	0.0003	0.0	0.0	0.0
18	11	1982	1330	9	0.2710	0.0	0.0	0.0	0.0	0.0002	0.0004	0.0	0.0	0.0
24	11	1982	1320	9	0.2080	0.0	0.0	0.0	0.0	0.0002	0.0001	0.0	0.0	0.0
3	12	1982	1030	9	0.2320	0.0	0.0	0.0	0.0	0.0004	0.0013	0.0	0.0	0.0
10	12	1982	1045	9	0.1460	0.0	0.0	0.0	0.0	0.0002	0.0007	0.0	0.0	0.0
17	12	1982	850	9	0.4850	0.0	0.0	0.0	0.0	0.0003	0.0010	0.0	0.0	0.0
23	12	1982	1125	9	0.3270	24.0000	194.0000	8.0000	150.0000	0.0002	0.0009	0.0	0.0	0.0
30	12	1982	1100	9	0.2910	2.0000	228.0000	0.0	184.0000	0.0003	0.0005	0.0	0.0	0.0
11	1	1983	1000	9	0.1980	10.0000	162.0000	2.0000	16.0000	0.0004	0.0008	0.0	0.0	0.0
20	1	1983	1100	9	0.3140	8.0000	56.0000	2.0000	48.0000	0.0003	0.0004	0.0	0.0	0.0
22	2	1983	1240	9	0.3000	0.0	0.0	0.0	0.0	0.0003	0.0004	0.0	0.0	0.0
25	3	1983	1045	9	0.1230	20.0000	107.0000	17.0000	103.0000	0.0003	0.0003	0.0	0.0	0.0
30	3	1983	1530	9	0.3540	11.0000	104.0000	3.0000	85.0000	0.0001	0.0003	0.0	0.0	0.0
14	5	1983	1335	9	0.0290	352.0000	183.0000	304.0000	71.0000	0.0013	0.0002	0.0	0.0	0.0
20	5	1983	1205	9	0.0480	305.0000	133.0000	277.0000	79.0000	0.0014	0.0003	0.0	0.0	0.0
26	5	1983	1445	9	0.0850	43.0000	142.0000	37.0000	63.0000	0.0007	0.0002	0.0	0.0	0.0
10	6	1983	1545	9	0.0520	439.0000	130.0000	400.0000	92.0000	0.0040	0.0007	0.0	0.0	0.0
20	6	1983	900	9	0.0540	112.0000	123.0000	101.0000	80.0000	0.0010	0.0004	0.0	0.0	0.0
27	7	1983	900	9	0.3640	1325.0000	171.0000	1265.0000	158.0000	0.0120	0.0008	0.0	0.0	0.0
24	9	1983	1430	9	0.6020	89.0000	230.0000	74.0000	175.0000	0.0017	0.0004	0.0	0.0	0.0
28	9	1983	1130	9	0.0460	63.0000	210.0000	50.0000	117.0000	0.0005	0.0004	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00AK09ED00001

PACIFIC AND YUKON REGION
YUKON RIVER AT EAGLE ALASKA

DD	MM	YEAR	HR:MM	L	FE-X	PS-X	MN-X	HG-X	N-ID	P-T	CYAN	TIC	TOC	MB-X
11	7	1982	1400	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	7	1982	1410	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	7	1982	1420	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	7	1982	1430	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	7	1982	1117	9	11.0000	0.0040	0.2700	0.0500	0.4240	0.9020	0.0	0.0	0.0	0.0
29	7	1982	1000	9	19.0000	0.0050	0.6800	0.0500	0.1090	1.4600	0.0	0.0	0.0	0.0
5	8	1982	854	9	15.0000	0.0050	0.4000	0.0500	2.4700	0.8080	0.0	0.0	0.0	0.0
12	8	1982	1329	9	6.6000	0.0020	0.2100	0.0500	0.2210	0.4070	0.0	0.0	0.0	0.0
19	8	1982	1410	9	8.3000	0.0020	0.2800	0.0500	2.1000	0.5670	0.0	0.0	0.0	0.0
26	8	1982	230	9	7.7000	0.0020	0.1900	0.0500	0.1960	0.4030	0.0	0.0	0.0	0.0
13	9	1982	1330	9	1.0000	0.0020	0.0400	0.0500	0.3680	0.0680	0.0	18.0000	4.2000	0.0
16	9	1982	1300	9	0.7800	0.0010	0.0400	0.0500	0.4990	0.0460	0.0	19.0000	5.2000	0.0
24	9	1982	1500	9	4.3000	0.0030	0.1100	0.0500	0.2150	0.1830	0.0	23.0000	7.2000	0.0
30	9	1982	1440	9	0.0	0.0	0.0	0.0	0.1140	0.1230	0.0	20.0000	4.6000	0.0
7	10	1982	930	9	0.0	0.0	0.0	0.0	0.7080	0.0530	0.0	19.0000	6.2000	0.0
21	10	1982	1515	9	1.1000	0.0020	0.0500	0.0500	1.2900	0.1090	0.0	21.0000	5.2000	0.0
28	10	1982	1000	9	0.1400	0.0040	0.0300	0.0700	0.3780	0.0190	0.0	31.0000	2.7000	0.0
12	11	1982	1310	9	0.0	0.0	0.0	0.0	0.1870	0.0180	0.0	26.0000	3.4000	0.0
18	11	1982	1330	9	0.0	0.0	0.0	0.0	0.8950	0.0320	0.0	28.0000	3.3000	0.0
24	11	1982	1320	9	0.0	0.0	0.0	0.0	0.3380	0.0520	0.0	13.0000	3.5000	0.0
3	12	1982	1030	9	0.0	0.0	0.0	0.0	0.4910	0.0250	0.0	41.0000	6.5000	0.0
10	12	1982	1045	9	0.0	0.0	0.0	0.0	0.2180	0.0280	0.0	22.0000	7.7000	0.0
17	12	1982	850	9	0.0	0.0	0.0	0.0	0.6800	0.0120	0.0	32.0000	6.5000	0.0
23	12	1982	1125	9	0.0	0.0	0.0	0.0	1.4100	0.0370	0.0	24.0000	5.7000	0.0
30	12	1982	1100	9	0.0	0.0	0.0	0.0	0.6160	0.0240	0.0	25.0000	4.5000	0.0
11	1	1983	1000	9	0.0	0.0	0.0	0.0	0.3030	0.0100	0.0	31.0000	3.4000	0.0
20	1	1983	1100	9	0.0	0.0	0.0	0.0	0.6650	0.0120	0.0	32.0000	5.7000	0.0
22	2	1983	1240	9	0.0	0.0	0.0	0.0	0.3800	0.0370	0.0	32.0000	10.0000	0.0
25	3	1983	1045	9	0.0	0.0	0.0	0.0	0.3410	0.0270	0.0	27.0000	5.5000	0.0
30	3	1983	1530	9	0.0	0.0	0.0	0.0	0.8370	0.0230	0.0	25.0000	1.8000	0.0
14	5	1983	1335	9	0.0	0.0	0.0	0.0	0.3230	0.7750	0.0	17.0000	30.0000	0.0
20	5	1983	1205	9	0.0	0.0	0.0	0.0	0.3170	0.5120	0.0	0.0	0.0	0.0
26	5	1983	1445	9	0.0	0.0	0.0	0.0	0.3170	0.1090	0.0	20.0000	16.0000	0.0
10	6	1983	1545	9	0.0	0.0	0.0	0.0	0.1680	0.5280	0.0	28.0000	18.0000	0.0
20	6	1983	900	9	0.0	0.0	0.0	0.0	0.1560	0.1470	0.0	18.0000	5.7000	0.0
27	7	1983	900	9	0.0	0.0	0.0	0.0	0.5440	0.9000	0.0	34.0000	14.0000	0.0
24	9	1983	1430	9	0.0	0.0	0.0	0.0	0.8350	0.1120	0.0	21.0000	6.0000	0.0
29	9	1983	1130	9	0.0	0.0	0.0	0.0	0.1650	0.0720	0.0	20.0000	5.6000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER OOAKO9ED0001
 PACIFIC AND YUKON REGION
 YUKON RIVER AT EAGLE ALASKA

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
11	7	1982	1400	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	7	1982	1410	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	7	1982	1420	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	7	1982	1430	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	7	1982	1117	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	7	1982	1000	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	8	1982	854	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	8	1982	1329	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	8	1982	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	8	1982	230	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	9	1982	1330	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	9	1982	1300	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	9	1982	1500	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	9	1982	1440	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	10	1982	930	9	0.0	0.0	0.0	0.0005	0.0030	1.1000	0.0010	0.0400	0.0500	0.0070
21	10	1982	1515	9	0.0	0.0	0.0	0.0	0.0	0.7100	0.0	0.0300	0.0500	0.0
28	10	1982	1000	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	11	1982	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	11	1982	1330	9	0.0	0.0	0.0	0.0005	0.0010	0.2000	0.0030	0.0100	0.0500	0.0020
24	11	1982	1320	9	0.0	0.0	0.0	0.0005	0.0070	0.5500	0.0210	0.0100	0.0500	0.0070
3	12	1982	1030	9	0.0	0.0	0.0	0.0005	0.0030	0.8100	0.0020	0.0200	0.0500	0.0060
10	12	1982	1045	9	0.0	0.0	0.0	0.0005	0.0040	0.2300	0.0010	0.0100	0.1200	0.0120
17	12	1982	850	9	0.0	0.0	0.0	0.0005	0.0040	0.7200	0.0020	0.0200	0.0500	0.0090
23	12	1982	1125	9	0.0	0.0	0.0	0.0005	0.0020	0.1100	0.0020	0.0100	0.0500	0.0070
30	12	1982	1100	9	0.0	0.0	0.0	0.0009	0.0170	0.3900	0.0040	0.0200	0.0500	0.0180
11	1	1983	1000	9	0.0	0.0	0.0	0.0005	0.0030	0.4500	0.0020	0.0200	0.0500	0.0120
20	1	1983	1100	9	0.0	0.0	0.0	0.0005	0.0010	0.0800	0.0020	0.0100	0.0500	0.0080
22	2	1983	1240	9	0.0	0.0	0.0	0.0005	0.0010	0.0500	0.0010	0.0100	0.0500	0.0080
25	3	1983	1045	9	0.0	0.0	0.0	0.0005	0.0030	1.3000	0.0100	0.0500	0.0500	0.0300
30	3	1983	1530	9	0.0	0.0	0.0	0.0005	0.0030	0.0450	0.0010	0.0100	0.0500	0.0140
14	5	1983	1335	9	0.0	0.0	0.0	0.0006	0.0080	0.1800	0.0050	0.0100	0.0500	0.0080
20	5	1983	1205	9	0.0	0.0	0.0	0.0005	0.0190	11.0000	0.0080	0.3300	0.0500	0.0400
26	5	1983	1445	9	0.0	0.0	0.0	0.0005	0.0180	10.0000	0.0070	0.2800	0.0500	0.0500
10	6	1983	1545	9	0.0	0.0	0.0	0.0005	0.0090	3.7000	0.0120	0.1000	0.0500	0.0200
20	6	1983	900	9	0.0	0.0	0.0	0.0005	0.0180	9.9000	0.0150	0.3000	0.0500	0.0500
27	7	1983	900	9	0.0	0.0	0.0	0.0005	0.0070	4.9000	0.0080	0.1100	0.0500	0.0010
24	9	1983	1430	9	0.0	0.0	0.0	0.0	0.0500	10.0000	0.0020	0.7000	0.0500	0.0500
29	9	1983	1130	9	0.0	0.0	0.0	0.0005	0.0060	3.0000	0.0030	0.0700	0.0500	0.0090
					0.0	0.0	0.0	0.0005	0.0030	2.2000	0.0010	0.0500	0.0500	0.0050

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.2

00YT09AH0001 YUKON RIVER AT CARMACKS

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND lay samplers from the d/s side of Klondike Highway bridge (358 km) at Carmacks. Sample site is located 2490 km from the mouth of the Yukon River.	Lat 62°05'45"N Long 136°16'18"W	533 m (1750 ft)	81,000 km ² (31,270 mi ²)	weekly	FIGURE 1 FIGURE 3 PLATE 5 PLATE 6 MAP 115 I/1

A-83

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1951 - 1982 (WSC 09AH001, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	294*	269*	246*	247*	566*	1560	1630	1300	1230	923	540*	348*
MAXIMUM	481*	404*	334*	349*	965*	2430	2690	1640	1580	1250	909*	623*
MINIMUM	162*	146*	138*	142*	353*	899	915	854	790	577	320*	183*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									925	766	455*	316*
1983	*	*	*	*	*							

* - ICE CONDITIONS

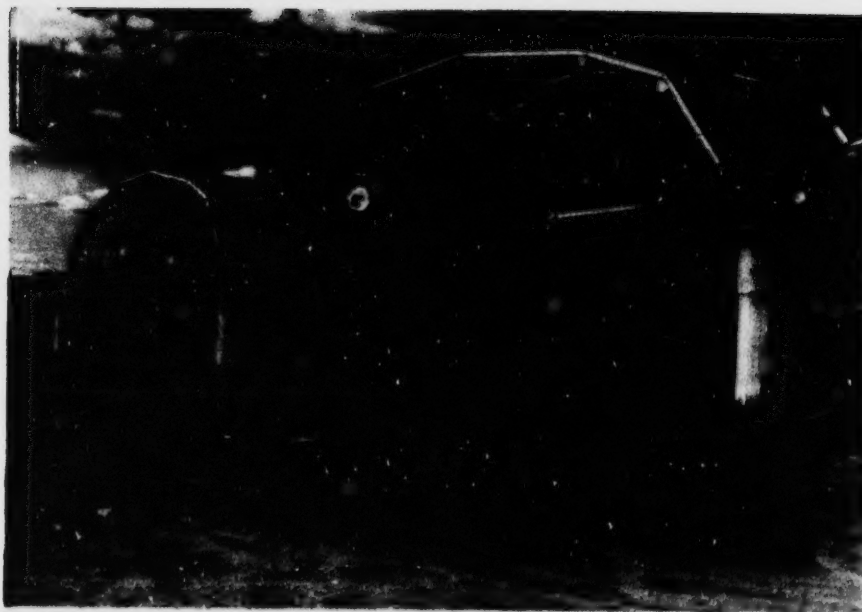


PLATE 5 WATER QUALITY STATION 00YT09AH0001
LOOKING UPSTREAM YUKON RIVER THROUGH KLONDIKE
HIGHWAY BRIDGE AT CARMACKS

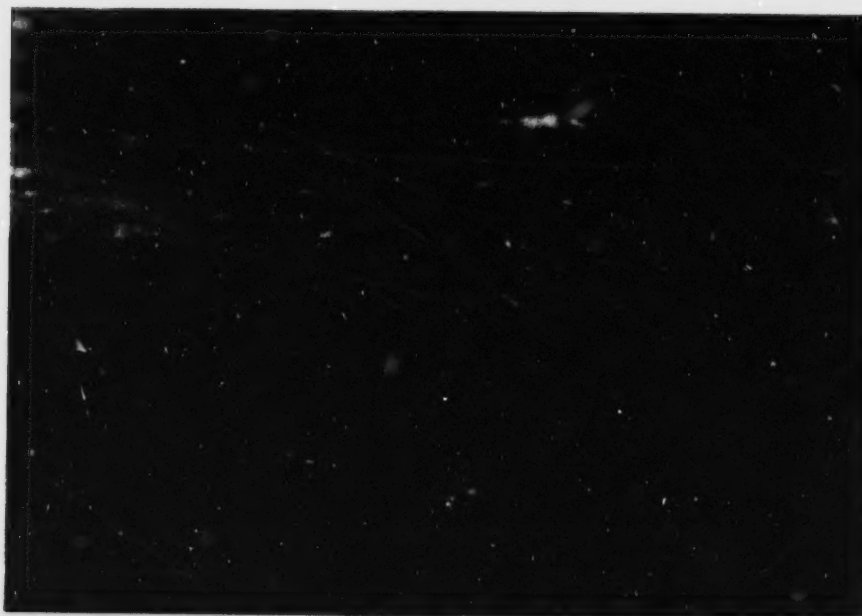


PLATE 6 WATER QUALITY STATION 00YT09AH0001
LOOKING AT YUKON RIVER SAMPLE STATION FROM
THE KLONDIKE HIGHWAY AT CARMACKS

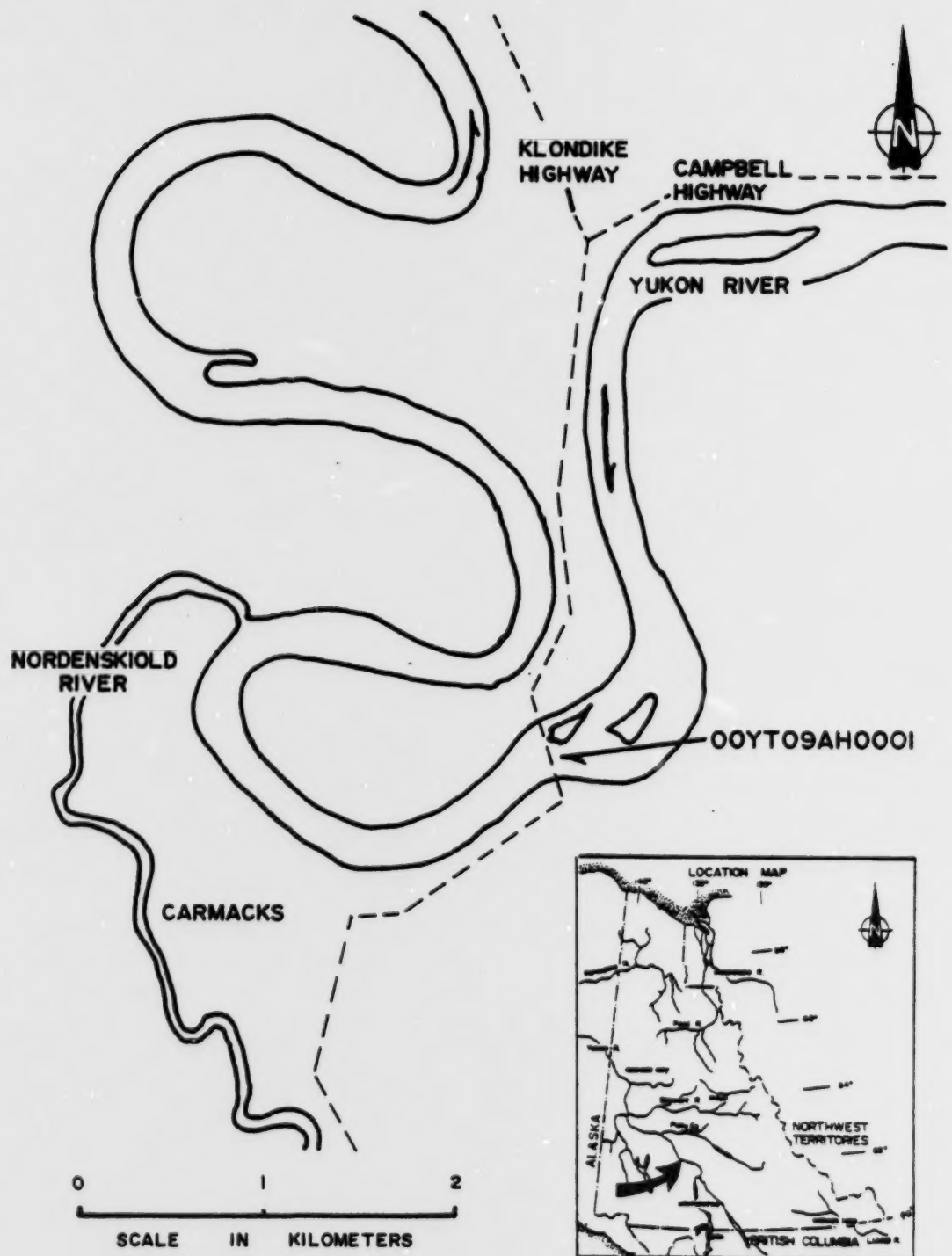


FIGURE 3 YUKON RIVER AT CARMACKS
WATER QUALITY STATION O0YT09AH0001

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0YT09AH0001

REPORT
YUKON RIVER AT CARMACKS

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
10	10	1980	1130	9	6.0000	6.0000	7.5000	130.0000	21.7000	8.0000	139.0000	1.0000	15.0000	0.0
17	10	1980	1415	9	10.0000	6.0000	8.5000	114.0000	21.9000	8.0000	132.0000	0.4600	15.0000	0.0
24	10	1980	1120	9	2.5000	4.0000	8.6000	118.0000	19.9000	7.9000	128.0000	1.0000	15.0000	0.0
31	10	1980	920	9	-2.0000	3.0000	9.0000	122.0000	13.6000	8.0000	129.0000	1.0000	15.0000	0.0
7	11	1980	1130	9	-1.0000	3.0000	8.9000	135.0000	17.8000	7.9000	123.0000	1.0000	15.0000	0.0
14	11	1980	910	9	-10.0000	0.0	9.2000	135.0000	17.8000	7.9000	127.0000	2.0000	15.0000	0.0
21	11	1980	1015	9	-9.0000	0.0	9.1000	108.0000	22.6000	7.7000	129.0000	4.5000	15.0000	0.0
28	11	1980	1050	9	-3.0000	0.0	9.2000	128.0000	22.7000	8.0000	134.0000	0.8300	10.0000	0.0
8	12	1980	1055	9	-36.0000	0.0	9.3000	128.0000	22.0000	7.9000	150.0000	2.1000	15.0000	0.0
12	12	1980	1130	9	-35.0000	0.0	10.0000	160.0000	21.5000	7.8000	153.0000	0.3700	5.0000	0.0
19	12	1980	1420	9	-52.0000	0.0	9.7000	133.0000	21.7000	7.9000	151.0000	0.5900	10.0000	0.0
29	12	1980	1310	9	-35.0000	0.0	10.4000	128.0000	21.6000	7.7000	136.0000	0.7500	10.0000	0.0
2	1	1981	930	9	-4.0000	0.0	10.8000	122.0000	19.3000	7.4000	107.0000	0.4900	10.0000	0.0
9	1	1981	1310	9	-18.0000	0.0	8.9000	130.0000	19.5000	7.4000	148.0000	0.3100	10.0000	0.0
16	1	1981	1100	9	-2.0000	0.0	9.9000	142.0000	19.9000	7.4000	150.0000	0.4300	10.0000	0.0
26	1	1981	1330	9	-17.0000	1.0000	10.1000	130.0000	20.1000	7.6000	150.0000	0.3700	10.0000	0.0
30	1	1981	1550	9	-14.0000	0.0	9.4000	148.0000	20.9000	7.5000	155.0000	0.3500	10.0000	0.0
6	2	1981	1140	9	-10.0000	0.0	9.0000	120.0000	20.5000	7.6000	152.0000	0.4200	10.0000	0.0
13	2	1981	1305	9	-25.0000	0.0	9.4000	128.0000	21.1000	7.6000	160.0000	0.3000	10.0000	0.0
19	2	1981	945	9	-18.0000	0.0	9.3000	128.0000	21.0000	7.4000	156.0000	0.5200	10.0000	0.0
26	2	1981	1410	9	-4.0000	0.0	9.6000	190.0000	21.4000	7.4000	152.0000	1.8000	15.0000	0.0
6	3	1981	1045	9	6.0000	0.0	10.1000	90.0000	19.4000	7.4000	151.0000	1.7000	10.0000	0.0
13	3	1981	1310	9	6.0000	0.0	10.4000	130.0000	19.8000	7.3000	152.0000	0.5200	10.0000	0.0
21	3	1981	1655	9	5.0000	0.0	10.0000	162.0000	19.8000	7.6000	151.0000	2.1000	10.0000	0.0
27	3	1981	1115	9	4.0000	0.0	8.8000	128.0000	19.8000	7.6000	153.0000	1.4000	10.0000	0.0
3	4	1981	1315	9	12.0000	0.0	9.5000	145.0000	20.0000	8.1000	152.0000	0.4200	10.0000	0.0
10	4	1981	1615	9	-6.0000	0.0	9.1000	125.0000	20.4000	8.0000	154.0000	0.3700	10.0000	0.0
16	4	1981	920	9	-10.0000	0.0	9.3000	156.0000	21.1000	7.7000	137.0000	1.0000	10.0000	0.0
24	4	1981	910	9	7.0000	0.0	9.5000	120.0000	17.9000	7.7000	143.0000	1.5000	10.0000	0.0
1	5	1981	915	9	3.0000	0.0	10.8000	130.0000	22.4000	7.9000	148.0000	8.8000	10.0000	0.0
8	5	1981	915	9	8.0000	2.0000	9.5000	160.0000	24.3000	7.8000	143.0000	24.0000	25.0000	0.0
15	5	1981	1900	9	24.0000	6.0000	10.8000	120.0000	19.6000	7.6000	140.0000	24.0000	30.0000	0.0
22	5	1981	1115	9	16.0000	6.0000	8.8000	144.0000	19.5000	7.7000	135.0000	18.0000	20.0000	0.0
1	6	1981	1030	9	0.0	9.0000	9.6000	155.0000	18.0000	7.8000	137.0000	16.0000	15.0000	0.0
4	6	1981	1445	9	20.0000	9.0000	9.4000	150.0000	21.8000	7.9000	131.0000	6.5000	15.0000	0.0
12	6	1981	1430	9	22.0000	10.5000	10.5000	155.0000	24.1000	7.9000	136.0000	6.7000	15.0000	0.0
20	6	1981	1100	9	16.0000	11.0000	10.2000	178.0000	20.8000	7.8000	131.0000	6.5000	15.0000	0.0
26	6	1981	1410	9	22.0000	11.0000	10.6000	105.0000	20.8000	7.9000	130.0000	5.6000	15.0000	0.0
3	7	1981	915	9	8.0000	10.0000	9.2000	125.0000	19.5000	8.0000	126.0000	5.2000	10.0000	0.0
10	7	1981	1154	9	22.0000	13.0000	9.6000	105.0000	17.3000	7.9000	123.0000	3.0000	15.0000	0.0
17	7	1981	930	9	19.0000	15.0000	9.0000	122.0000	18.7000	8.3000	123.0000	1.1000	10.0000	0.0
28	7	1981	1310	9	24.0000	15.0000	9.0000	105.0000	18.6000	8.0000	123.4000	6.0000	5.0000	0.0
31	7	1981	900	9	16.0000	15.0000	8.0000	105.0000	16.2000	7.8000	123.0000	4.5000	15.0000	0.0
7	8	1981	1115	9	21.0000	13.0000	8.1000	137.0000	20.9000	7.8000	120.0000	4.0000	15.0000	0.0
14	8	1981	900	9	10.0000	13.0000	10.6000	100.0000	23.0000	7.7000	122.0000	4.0000	10.0000	0.0
21	8	1981	830	9	12.0000	14.0000	10.8000	80.0000	23.0000	7.7000	120.0000	2.9000	10.0000	0.0
28	8	1981	950	9	19.0000	11.0000	10.9000	100.0000	23.3000	7.7000	120.0000	5.6000	10.0000	0.0
4	9	1981	1010	9	10.0000	10.5000	11.5000	126.0000	20.9000	7.7000	123.0000	5.4000	15.0000	0.0
11	9	1981	1245	9	10.5000	10.0000	10.3000	102.0000	20.9000	7.7000	123.0000	5.4000	15.0000	0.0
17	9	1981	920	9	8.0000	9.0000	10.3000	102.0000	20.9000	7.7000	123.0000	5.4000	15.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTO8AH0001

DD MM YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
25 9 1981	1328	9	13.0000	9.0000	10.7000	132.0000	21.3000	7.5000	120.0000	3.3000	15.0000	0.0
2 10 1981	1400	9	4.0000	9.0000	11.0000	120.0000	19.7000	7.8000	119.0000	2.1000	15.0000	0.0
9 10 1981	908	9	3.0000	6.0000	9.5000	123.0000	21.1000	7.6000	123.0000	2.5000	10.0000	0.0
16 10 1981	1515	9	8.0000	8.0000	9.9000	110.0000	21.2000	7.7000	126.0000	0.1400	15.0000	0.0
23 10 1981	1340	9	5.0000	7.0000	0.0	148.0000	21.9000	7.8000	121.0000	2.2000	15.0000	0.0
30 10 1981	1115	9	-1.0000	1.0000	8.3000	135.0000	21.6000	7.8000	124.0000	0.8500	15.0000	0.0
6 11 1981	1050	9	-10.0000	1.0000	9.4000	134.0000	22.0000	7.8000	124.0000	1.2000	10.0000	0.0
13 11 1981	1405	9	-8.0000	2.0000	9.2000	132.0000	21.7000	8.1000	130.0000	2.2000	5.0000	0.0
20 11 1981	1530	9	-6.0000	0.0	9.8000	138.0000	20.3000	7.9000	129.0000	0.7400	5.0000	0.0
27 11 1981	1310	9	-6.0000	0.0	9.3000	160.0000	20.2000	7.9500	130.0000	0.7700	5.0000	0.0
4 12 1981	1155	9	-8.0000	0.0	9.2000	135.0000	22.9000	7.7000	137.0000	0.9500	5.0000	0.0
11 12 1981	1330	9	-33.0000	2.0000	9.7000	172.0000	19.9000	7.9000	149.0000	5.4000	10.0000	0.0
18 12 1981	1330	9	3.0000	0.0	9.8000	168.0000	21.4000	7.5000	144.0000	0.4000	10.0000	0.0
24 12 1981	955	9	-26.0000	0.0	10.7000	150.0000	21.3000	7.0400	150.0000	12.0000	10.0000	0.0
31 12 1981	1305	9	-46.0000	0.0	9.9000	132.0000	21.3000	7.3000	146.0000	5.0000	10.0000	0.0
8 1 1982	1305	9	-49.0000	0.0	10.8000	122.0000	18.4000	7.4000	135.0000	5.0000	15.0000	0.0
14 1 1982	1325	9	-38.0000	0.0	10.3000	122.0000	18.3000	7.5000	130.0000	0.4200	10.0000	0.0
22 1 1982	1120	9	-48.0000	0.0	9.9000	132.0000	24.5000	7.3000	142.0000	0.4400	10.0000	0.0
28 1 1982	1135	9	-44.0000	0.0	10.0000	122.0000	21.9000	7.9000	139.0000	0.5000	10.0000	0.0
6 2 1982	1640	9	0.0	0.0	10.6000	122.0000	21.0000	7.5000	130.0000	0.3500	5.0000	0.0
11 2 1982	1300	9	-15.0000	0.0	10.0000	115.0000	21.1000	7.6000	126.0000	0.4200	10.0000	0.0
18 2 1982	1030	9	-24.0000	0.0	10.6000	110.0000	23.1000	7.9000	135.0000	0.4900	5.0000	0.0
27 2 1982	1330	9	-30.0000	0.0	11.6000	136.0000	22.2000	7.8000	141.0000	0.4600	5.0000	0.0
4 3 1982	930	9	-34.0000	0.0	10.6000	112.0000	23.2000	8.0000	139.0000	0.8000	5.0000	0.0
12 3 1982	1930	9	-13.0000	0.0	11.4000	110.0000	23.2000	7.8000	142.0000	0.6500	5.0000	0.0
18 3 1982	1337	9	-8.0000	0.0	9.9000	146.0000	21.4000	7.9000	129.0000	0.2700	5.0000	0.0
2 4 1982	1115	9	-8.0000	0.0	10.8000	238.0000	24.1000	8.1000	210.0000	0.2200	5.0000	0.0
8 4 1982	945	9	2.0000	0.0	11.3000	240.0000	24.2000	7.8000	204.0000	0.2200	5.0000	0.0
15 4 1982	830	9	-5.0000	0.0	9.4000	223.0000	24.3000	7.9000	210.0000	0.3300	5.0000	0.0
23 4 1982	930	9	5.0000	0.0	7.6000	80.0000	24.5000	8.0000	194.0000	0.4000	5.0000	0.0
29 4 1982	830	9	3.0000	0.0	9.0000	180.0000	23.2000	8.1000	165.0000	0.6000	5.0000	0.0
6 5 1982	1100	9	11.0000	0.0	9.5000	120.0000	24.3000	7.9000	147.0000	4.2000	5.0000	0.0
14 5 1982	1100	9	0.0	1.0000	9.9000	124.0000	25.1000	7.5000	129.0000	19.0000	40.0000	0.0
20 5 1982	1100	9	14.0000	1.0000	8.5000	180.0000	24.7000	7.6000	139.0000	16.0000	50.0000	0.0
27 5 1982	1130	9	15.0000	8.5000	8.5000	220.0000	24.1000	7.8000	138.0000	13.0000	35.0000	0.0
3 6 1982	1245	9	18.0000	10.5000	8.6000	160.0000	24.6000	7.8000	121.0000	19.0000	45.0000	0.0
10 6 1982	1530	9	23.0000	12.0000	8.4000	140.0000	20.4000	7.8000	115.0000	25.0000	20.0000	0.0
17 6 1982	1030	9	18.0000	11.0000	8.5000	180.0000	20.5000	7.9000	127.0000	17.0000	20.0000	0.0
25 6 1982	1000	9	21.5000	13.0000	8.2000	180.0000	20.5000	8.0000	125.0000	15.0000	15.0000	0.0
2 7 1982	1130	9	21.0000	14.5000	8.7000	260.0000	23.0000	7.8000	114.0000	2.8000	20.0000	0.0
6 7 1982	1622	5	0.0	19.0000	7.8000	98.0000	0.0	7.9000	115.0000	2.8000	10.0000	0.0
6 7 1982	1631	5	0.0	19.0000	7.8000	98.0000	0.0	8.1000	119.0000	2.7000	10.0000	0.0
6 7 1982	1640	5	0.0	19.0000	7.8000	98.0000	0.0	7.9000	115.0000	3.0000	10.0000	0.0
6 7 1982	1649	5	0.0	19.0000	7.8000	98.0000	0.0	7.9000	116.0000	2.8000	10.0000	0.0
8 7 1982	1409	9	22.0000	16.0000	9.0000	0.0	23.3000	7.8000	114.0000	2.6000	15.0000	0.0
16 7 1982	1500	9	23.0000	16.0000	8.5000	105.0000	21.9000	7.8000	113.0000	1.3000	10.0000	0.0
22 7 1982	1130	9	22.5000	16.0000	8.2000	120.0000	21.2000	7.7800	113.0000	2.1000	15.0000	0.0
29 7 1982	1810	9	26.0000	18.0000	8.7000	120.0000	20.5000	7.8100	114.0000	2.2000	10.0000	0.0
5 8 1982	1600	9	20.0000	14.0000	8.2000	120.0000	22.3000	7.8500	110.0000	6.0000	15.0000	0.0
13 8 1982	1030	9	19.0000	14.0000	8.2000	120.0000	22.6000	7.9100	110.0000	3.6000	15.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00Y09AH0001

REPORT
YUKON RIVER AT CARMACKS

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	CCLR	ALKP
19	8	1982	1430	9	19.0000	14.0000	8.1000	120.0000	20.7000	7.9000	113.0000	3.2000	10.0000	0.0
26	8	1982	930	9	9.5000	13.5000	8.0000	120.0000	21.3000	7.9000	113.0000	13.0000	25.0000	0.0
3	9	1982	1010	9	6.0000	11.0000	9.4000	110.0000	21.5000	7.9500	110.2000	2.2000	7.0000	0.0
9	9	1982	930	9	4.5000	12.0000	8.0000	120.0000	21.9000	7.7500	110.4000	2.6000	7.0000	0.0
16	9	1982	1030	9	12.0000	13.5000	8.2000	140.0000	21.1000	7.8000	110.1000	1.0500	5.0000	0.0
23	9	1982	1430	9	8.0000	10.5000	8.4000	120.0000	21.8000	7.8200	110.0000	0.5000	5.0000	0.0
30	9	1982	1100	9	7.5000	9.5000	7.9000	130.0000	22.0000	7.8900	112.4000	1.2500	5.0000	0.0
7	10	1982	1430	9	10.0000	7.0000	8.5000	0.0	22.7000	7.9000	130.7000	2.6000	5.0000	0.0
14	10	1982	1135	9	-1.0000	7.0000	8.0000	140.0000	23.2000	7.9000	118.1000	2.0000	8.0000	0.0
23	10	1982	1350	9	-8.0000	0.5000	9.0000	109.0000	18.1000	7.8800	127.3000	0.9500	3.0000	0.0
29	10	1982	1350	9	-19.0000	-0.5000	9.4000	108.0000	22.3000	7.8000	122.3000	0.5800	7.0000	0.0
5	11	1982	935	9	-15.0000	0.0	9.5000	130.0000	16.5000	7.9000	136.8000	2.4900	5.0000	0.0
10	11	1982	1635	9	-18.0000	0.0	7.2000	138.0000	21.3000	7.9000	132.0000	2.3000	7.0000	0.0
18	11	1982	1100	9	-28.0000	-0.5000	7.1000	180.0000	21.7000	7.9500	145.0000	0.6900	7.0000	0.0
25	11	1982	1430	9	-18.0000	-0.5000	7.1000	0.0	21.5000	7.9000	146.0000	0.5400	5.0000	0.0
2	12	1982	930	9	-13.0000	0.0	8.5000	150.0000	21.8000	7.8500	150.0000	0.2300	5.0000	0.0
10	12	1982	1330	9	-18.0000	1.0000	8.2000	160.0000	18.0000	8.0000	140.0000	0.5000	5.0000	0.0
16	12	1982	1350	9	-24.0000	-1.0000	8.2000	118.0000	18.1000	7.7500	141.0000	1.9000	5.0000	0.0
23	12	1982	1100	9	-20.0000	-1.0000	8.3000	140.0000	20.0000	7.8000	146.0000	1.3000	5.0000	0.0
31	12	1982	1330	9	-10.0000	-1.0000	8.4000	170.0000	20.7000	8.1000	138.0000	0.8300	10.0000	0.0
5	1	1983	1600	9	-28.0000	-1.0000	8.5000	135.0000	20.2000	8.1000	148.0000	0.5800	5.0000	0.0
13	1	1983	1645	9	-40.0000	-1.0000	8.2000	155.0000	20.2000	8.1000	148.0000	0.3000	5.0000	0.0
21	1	1983	1420	9	-30.0000	-1.0000	8.2000	195.0000	21.3000	7.8000	153.0000	0.2000	5.0000	0.0
27	1	1983	900	9	-28.0000	0.0	8.1000	160.0000	21.2000	7.8000	142.0000	0.3800	10.0000	0.0
3	2	1983	1530	8	-19.0000	-1.0000	7.8000	238.0000	21.7000	7.8000	143.0000	0.3200	10.0000	0.0
10	2	1983	1045	9	-16.0000	-1.0000	7.8000	200.0000	22.4000	8.0000	141.0000	0.2900	5.0000	0.0
18	2	1983	930	9	-24.0000	-0.0	7.8000	0.0	22.4000	8.0000	140.0000	0.1900	5.0000	0.0
25	2	1983	1000	9	-12.0000	0.0	8.0000	200.0000	23.4000	7.9000	141.0000	0.4000	5.0000	0.0
3	3	1983	950	9	-15.0000	0.0	8.0000	180.0000	20.0000	7.8500	138.0000	1.3000	5.0000	0.0
10	3	1983	935	9	-23.0000	0.0	8.5000	160.0000	20.4000	7.9000	137.0000	1.4000	5.0000	0.0
17	3	1983	1000	9	-3.0000	0.0	8.4000	160.0000	20.8000	7.8000	148.0000	2.5000	5.0000	0.0
24	3	1983	915	9	-21.0000	0.0	8.4000	440.0000	21.9000	7.9000	139.0000	0.4700	5.0000	0.0
31	3	1983	1010	9	-4.0000	0.0	8.4000	280.0000	22.1000	7.3000	166.0000	0.3300	5.0000	0.0
7	4	1983	900	9	-4.0000	1.0000	8.1000	150.0000	20.8000	7.9000	173.0000	3.3000	5.0000	0.0
14	4	1983	1430	9	11.0000	4.0000	8.5000	0.0	21.0000	7.9000	165.0000	0.7100	5.0000	0.0
21	4	1983	835	9	4.0000	5.0000	8.7000	118.0000	23.9000	7.9500	140.0000	5.8000	5.0000	0.0
28	4	1983	900	9	10.0000	0.0	9.0000	140.0000	20.9000	7.9000	151.0000	15.0000	35.0000	0.0
5	5	1983	930	9	9.0000	0.0	8.9000	130.0000	21.7000	7.7000	147.0000	1.8000	40.0000	0.0
12	5	1983	1130	9	11.5000	8.0000	8.8000	115.0000	22.5000	7.9000	135.0000	18.0000	40.0000	0.0
19	5	1983	1025	9	14.0000	0.0	8.8000	142.0000	21.4000	8.0000	142.0000	4.3000	10.0000	0.0
27	5	1983	1600	9	12.0000	11.0000	8.6000	120.0000	21.9000	7.7000	105.0000	42.0000	30.0000	0.0
2	6	1983	1030	9	12.0000	9.3000	7.8000	150.0000	21.3000	7.7000	106.0000	48.0000	30.0000	0.0
2	6	1983	1650	3	12.0000	12.0000	8.6000	140.0000	22.4000	7.7000	130.0000	6.0000	10.0000	0.0
9	6	1983	1700	9	17.0000	11.0000	8.7000	140.0000	22.4000	7.9000	132.0000	2.0000	10.0000	0.0
16	6	1983	1410	9	18.0000	15.0000	8.7000	140.0000	21.5000	7.9000	126.0000	2.0000	10.0000	0.0
23	6	1983	1330	9	18.0000	17.0000	8.7000	130.0000	19.9000	7.3000	126.0000	4.2000	10.0000	0.0
30	6	1983	1400	9	21.0000	17.0000	8.7000	130.0000	21.2000	7.5000	123.0000	0.5500	5.0000	0.0
30	6	1983	1405	3	21.0000	17.0000	8.7000	130.0000	22.5000	7.7000	126.0000	4.6000	10.0000	0.0
7	7	1983	1930	9	27.0000	18.5000	8.9000	110.0000	22.5000	7.9000	127.0000	2.4000	10.0000	0.0
8	7	1983	1730	3	24.0000	18.0000	8.8000	100.0000	22.4000	7.9000	127.0000	2.4000	10.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YTOBAH0001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	NN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
11	7	1983	1715	3		17.0000	16.0000	8.9000	100.0000	22.6000	7.5000	125.0000	0.5400	5.0000	0.0
14	7	1983	1730	9		18.0000	15.0000	8.8000	100.0000	22.9000	7.6500	123.0000	0.7700	5.0000	0.0
15	7	1983	1045	3		17.0000	15.0000	8.7000	120.0000	23.0000	7.8500	123.0000	1.1000	5.0000	0.0
18	7	1983	1815	3		18.0000	16.0000	8.8000	120.0000	18.6000	7.8000	126.0000	2.3000	10.0000	0.0
21	7	1983	1730	9		20.0000	16.0000	8.7000	100.0000	18.9000	7.9000	126.0000	1.6000	5.0000	0.0
28	7	1983	1130	9		21.0000	16.0000	8.8000	120.0000	20.6000	7.8500	123.0000	0.6100	5.0000	0.0
4	8	1983	1730	9		22.5000	16.5000	9.0000	120.0000	23.1000	7.8000	121.0000	0.3300	5.0000	0.0
11	8	1983	1015	9		18.0000	18.0000	8.7000	110.0000	23.6000	7.4000	124.0000	0.4900	5.0000	0.0
18	8	1983	1030	9		12.0000	14.0000	7.9000	0.0	23.9000	7.9500	126.0000	1.4000	5.0000	0.0
25	8	1983	1230	9		12.0000	13.0000	8.7000	120.0000	23.9000	7.7000	125.0000	2.0500	5.0000	0.0
1	9	1983	1500	9		19.0000	14.0000	8.7000	120.0000	23.0000	7.6500	125.0000	0.5900	5.0000	0.0
7	9	1983	1130	9		6.0000	10.0000	9.0000	135.0000	23.4000	7.8500	128.0000	2.5000	5.0000	0.0
16	9	1983	1600	9		11.0000	10.0000	9.4000	140.0000	23.4000	7.7000	124.0000	0.5100	5.0000	0.0
22	9	1983	1115	9		14.0000	10.0000	9.6000	143.0000	23.5000	7.7000	129.0000	1.2000	5.0000	0.0
29	9	1983	1015	9		-5.0000	5.0000	9.5000	140.0000	22.5000	7.9000	131.0000	4.0000	10.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0YT0SAH0001

REPORT
YUKON RIVER AT CARMACKS

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	SD4
10	10	1980	1130	9	60.3000	64.4000	8.5000	10.5000	1.2000	1.5000	0.8000	0.0900	5.5000	7.5000
17	10	1980	1415	9	57.2000	62.2000	18.0000	4.2000	0.9000	1.3000	0.4000	0.1000	5.4000	6.9000
24	10	1980	1120	9	56.6000	60.2000	17.1000	4.2000	0.6000	1.4000	0.5000	0.0900	5.3000	6.8000
31	10	1980	920	9	56.0000	59.8000	17.8000	3.7000	0.6000	1.3000	0.3000	0.0900	3.3000	7.1000
7	11	1980	1130	9	56.5000	61.3000	19.6000	3.0000	0.6000	1.4000	0.3000	0.1100	5.3000	6.9000
14	11	1980	910	9	57.1000	61.1000	19.1000	3.3000	0.7000	1.4000	0.3000	0.1100	5.2000	6.7000
21	11	1980	1015	9	58.0000	62.5000	17.6000	4.5000	0.7000	1.5000	0.4000	0.1100	5.3000	7.1000
28	11	1980	1050	9	60.4000	64.5000	20.9000	3.0000	0.8000	1.6000	0.4000	0.1100	5.4000	7.7000
8	12	1980	1055	9	68.3000	73.8000	21.7000	4.8000	0.8000	1.8000	0.5000	0.1100	5.9000	8.7000
12	12	1980	1130	9	67.9000	74.9000	22.0000	4.8000	0.8000	1.7000	0.4000	0.1200	6.2000	8.3000
19	12	1980	1420	9	75.8000	76.3000	21.4000	5.6000	0.7000	1.6000	0.5000	0.1200	6.3000	8.0000
29	12	1980	1310	9	62.3000	70.1000	19.7000	5.1000	0.8000	1.7000	0.3000	0.1200	5.7000	7.9000
2	1	1981	930	9	60.9000	66.0000	19.2000	4.4000	1.0000	1.7000	0.6000	0.1000	5.7000	7.7000
9	1	1981	1310	9	45.6000	54.3000	14.3000	4.5000	0.6000	1.4000	0.6000	0.0800	4.3000	6.1000
16	1	1981	1100	9	64.0000	70.7000	20.4000	4.8000	1.9000	1.9000	1.7000	0.1100	5.7000	7.5000
26	1	1981	1330	9	67.8000	71.9000	21.2000	4.8000	2.4000	1.7000	1.9000	0.1100	5.7000	7.5000
30	1	1981	1550	9	65.5000	71.9000	20.9000	4.8000	1.7000	1.7000	1.2000	0.1300	5.8000	8.5000
6	2	1981	1140	9	67.0000	73.8000	20.8000	5.3000	1.8000	2.1000	1.7000	0.0900	5.8000	8.0000
13	2	1981	1305	9	65.5000	73.1000	20.6000	5.3000	1.7000	1.7000	1.2000	0.1000	5.7000	8.3000
19	2	1981	945	9	67.0000	74.7000	22.7000	4.4000	2.7000	2.2000	2.3000	0.1200	5.6000	7.5000
26	2	1981	1410	8	67.0000	75.9000	21.5000	5.4000	2.0000	2.0000	1.7000	0.1000	5.7000	7.5000
6	3	1981	1045	9	67.0000	74.3000	21.9000	4.8000	1.4000	1.9000	0.8000	0.1200	5.6000	7.8000
13	3	1981	1310	9	62.8000	72.2000	21.4000	4.6000	1.6000	1.9000	1.1000	0.1000	5.4000	7.9000
21	3	1981	1655	8	66.0000	71.5000	20.7000	4.8000	1.5000	2.1000	1.3000	0.1100	5.4000	8.1000
27	3	1981	1115	9	63.0000	70.7000	21.2000	5.2000	1.1000	1.8000	0.6000	0.1000	5.3000	7.9000
3	4	1981	1315	9	63.6000	70.7000	21.5000	4.1000	1.8000	1.8000	1.3000	0.2000	5.3000	7.8000
10	4	1981	1615	9	67.7000	72.2000	20.7000	5.0000	1.5000	1.9000	1.1000	0.1200	5.3000	7.9000
16	4	1981	920	9	65.2000	74.8000	21.9000	4.9000	1.9000	1.9000	1.6000	0.1100	5.4000	7.8000
24	4	1981	910	9	59.9000	62.3000	18.5000	3.9000	1.6000	1.8000	1.5000	0.0900	4.6000	7.1000
1	5	1981	915	9	62.1000	66.6000	20.0000	4.0000	1.5000	1.7000	1.0000	0.0900	4.6000	7.1000
8	5	1981	915	9	64.8000	71.2000	21.6000	4.2000	0.8000	1.9000	0.3000	0.0900	5.8000	7.9000
15	5	1981	1900	9	60.5000	67.1000	19.8000	4.3000	1.3000	1.6000	0.9000	0.0900	5.3000	8.0000
22	5	1981	1115	8	61.8000	65.6000	19.5000	4.1000	1.3000	1.6000	0.9000	0.0900	5.2000	7.7000
1	6	1981	1030	9	58.5000	62.3000	19.3000	3.7000	1.4000	1.3000	1.0000	0.0900	5.9000	5.9000
4	6	1981	1445	9	60.3000	64.2000	19.1000	4.0000	1.2000	1.5000	0.9000	0.0900	6.1000	6.1000
12	6	1981	1430	9	58.5000	62.9000	18.5000	4.1000	1.1000	1.6000	0.7000	0.1000	6.0000	6.2000
20	6	1981	1100	9	56.9000	62.9000	18.1000	4.3000	0.6000	1.5000	0.3000	0.1000	5.8000	5.7000
26	6	1981	1410	9	57.1000	62.5000	18.5000	4.0000	1.4000	1.6000	1.0000	0.0900	5.8000	5.6000
3	7	1981	915	9	55.6000	61.7000	17.9000	4.1000	1.1000	1.5000	0.8000	0.1000	5.7000	5.0000
10	7	1981	1154	9	55.6000	60.5000	17.6000	4.0000	1.1000	1.5000	0.8000	0.1000	5.7000	5.0000
17	7	1981	930	9	55.2000	59.9000	17.7000	3.8000	1.2000	1.5000	1.0000	0.1000	5.5000	6.3000
28	7	1981	1310	9	53.3000	59.6000	15.7000	5.0000	1.1000	1.5000	0.7000	0.1200	5.2000	6.5000
31	7	1981	900	9	53.8000	59.6000	16.5000	4.5000	0.9000	1.4000	0.6000	0.1000	5.1000	6.1000
7	8	1981	1115	9	54.8000	58.6000	13.0000	6.3000	1.3000	1.4000	0.9000	0.1000	4.9000	6.0000
14	8	1981	900	9	53.8000	57.6000	16.5000	4.0000	1.0000	1.4000	0.6000	0.0900	4.9000	5.9000
21	8	1981	830	9	53.8000	57.6000	16.5000	4.0000	0.7000	1.5000	0.4000	0.1000	4.7000	6.1000
28	8	1981	960	9	53.8000	61.5000	16.5000	4.9000	1.0000	1.4000	0.6000	0.0900	4.6000	6.1000
4	9	1981	1010	9	53.8000	55.6000	14.1000	5.0000	1.0000	1.3000	0.5000	0.1000	4.6000	6.1000
11	9	1981	1245	9	51.7000	59.6000	14.1000	5.9000	1.3000	1.3000	0.8000	0.1000	4.7000	5.8000
17	9	1981	920	9	51.7000	57.6000	15.7000	4.5000	2.1000	1.5000	1.7000	0.1000	4.8000	6.0000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER O0YT09AH0001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	SI04
25	8	1981	1328	9	51.7000	59.6000	15.7000	5.0000	1.3000	1.6000	0.8000	0.1000	4.9000	5.9000
2	10	1981	1400	9	51.7000	59.6000	14.9000	5.4000	1.1000	1.4000	0.6000	0.0900	4.8000	6.3000
8	10	1981	908	9	53.8000	63.5000	15.7000	5.9000	0.6000	1.4000	1.1000	0.1000	4.9000	6.9000
16	10	1981	1515	9	53.8000	61.5000	16.9000	4.7000	1.3000	1.4000	0.9000	0.1200	5.0000	6.7000
23	10	1981	1340	9	53.8000	60.7000	18.1000	3.8000	0.6000	1.4000	0.3000	1.6500	4.9000	6.7000
30	10	1981	1115	9	55.0000	62.3000	16.8000	4.9000	0.6000	1.3000	0.3000	1.4500	4.9000	6.1000
6	11	1981	1050	9	53.8000	64.0000	19.7000	5.5000	0.6000	1.3000	0.3000	1.3600	5.0000	6.4000
13	11	1981	1405	9	57.0000	66.5000	17.4000	5.6000	0.6000	1.4000	0.2000	1.6200	5.2000	6.5000
20	11	1981	1530	9	57.0000	63.5000	18.1000	4.4000	0.7000	1.4000	0.2000	1.6200	5.2000	6.5000
27	11	1981	1310	9	59.1000	67.5000	17.3000	5.9000	0.5000	1.5000	0.2000	1.8000	5.5000	7.1000
4	12	1981	1155	9	57.9000	69.1000	1.1900	16.1000	1.0000	1.6000	0.2000	1.1500	5.6000	7.8000
11	12	1981	1330	9	66.6000	75.4000	20.9000	5.6000	0.7000	1.7000	0.5000	1.1500	6.1000	8.8000
18	12	1981	1330	9	64.8000	73.4000	19.6000	5.9000	0.8000	1.6000	0.3000	0.1500	6.0000	8.2000
24	12	1981	1955	9	66.8000	75.4000	21.0000	5.6000	1.9000	2.0000	1.7000	0.1300	6.2000	8.5000
31	12	1981	1305	9	68.9000	77.0000	21.2000	5.8000	1.0000	2.0000	0.6000	0.1300	6.3000	9.9000
8	1	1982	1305	9	67.8000	75.4000	20.4000	5.9000	0.9000	2.0000	0.4000	1.2000	6.0000	8.2000
14	1	1982	1325	9	66.0000	72.6000	19.8000	5.6000	0.9000	1.9000	0.3000	1.1700	5.8000	8.1000
22	1	1982	1120	9	70.9000	77.4000	21.4000	5.8000	2.8000	2.0000	2.4000	1.0000	6.0000	8.8000
28	1	1982	1130	9	68.5000	75.5000	21.2000	5.5000	0.8000	1.7000	0.4000	1.0300	5.9000	8.8000
6	2	1982	1640	9	65.4000	70.8000	18.5000	6.0000	0.9000	1.6000	0.3000	1.1300	5.6000	8.4000
11	2	1982	1300	9	61.4000	68.9000	18.4000	5.6000	0.6000	1.4000	0.2000	0.9800	5.4000	8.2000
18	2	1982	1030	9	64.2000	71.6000	19.9000	5.3000	0.6000	1.7000	0.3000	1.1000	5.8000	8.1000
27	2	1982	1330	9	64.6000	73.5000	19.9000	5.8000	0.8000	1.7000	0.2000	1.1000	5.4000	8.7000
4	3	1982	1930	9	67.1000	74.4000	19.9000	6.0000	0.7000	1.8000	0.4000	1.1800	5.6000	8.6000
12	3	1982	1930	9	63.0000	71.6000	18.7000	6.0000	1.3000	1.9000	1.1000	1.1000	5.2000	7.7000
18	3	1982	1337	9	63.4000	69.6000	18.4000	5.7000	0.8000	1.6000	0.2000	1.0800	5.4000	7.8000
2	4	1982	1115	9	91.4000	104.0000	29.5000	7.4000	1.0000	2.6000	4.3000	0.1200	6.8000	10.6000
8	4	1982	1945	9	89.7000	102.0000	29.9000	6.6000	1.1000	2.6000	4.0000	0.1200	6.6000	10.6000
15	4	1982	1330	9	89.4000	103.7000	29.3000	7.5000	1.1000	2.5000	4.0000	0.1100	6.7000	10.5000
23	4	1982	1930	9	83.7000	97.2000	28.1000	6.6000	1.1000	2.5000	4.1000	0.1200	6.4000	10.2000
29	4	1982	1830	9	73.0000	83.8000	23.3000	6.2000	0.7000	2.0000	2.0000	0.0950	5.6000	9.4000
6	5	1982	1100	9	62.2000	68.7000	19.8000	4.7000	0.6000	1.7000	0.3000	0.0750	4.8000	8.0000
14	5	1982	1100	9	57.2000	67.1000	19.3000	5.0000	1.0000	1.8000	0.6000	0.0500	4.9000	6.2000
20	5	1982	1100	9	63.6000	73.9000	21.1000	5.2000	0.8000	1.6000	0.4000	0.0510	5.2000	7.5000
27	5	1982	1130	9	63.8000	72.1000	20.8000	4.8000	0.6000	1.6000	0.4000	0.0500	5.2000	6.0000
3	6	1982	1245	9	58.0000	65.0000	19.2000	4.1000	0.7000	1.3000	0.4000	0.0500	5.3000	6.3000
10	6	1982	1530	9	51.9000	58.1000	16.7000	4.0000	0.6000	1.2000	0.4000	0.0500	5.3000	6.0000
17	6	1982	1030	9	58.7000	65.8000	10.1000	9.9000	0.7000	1.5000	0.3000	0.0500	6.1000	6.2000
25	6	1982	1000	9	57.2000	63.1000	17.8000	4.5000	0.5000	1.4000	0.4000	0.0550	5.5000	6.0000
2	7	1982	1130	9	53.3000	59.1000	16.9000	4.1000	0.5000	1.3000	0.2000	0.0500	5.4000	5.3000
6	7	1982	1622	5	53.8000	59.8000	17.1000	0.0	0.5000	1.2000	0.2000	0.0510	5.3000	6.1000
6	7	1982	1631	5	54.5000	60.0000	17.2000	0.0	0.5000	1.2000	0.2000	0.0500	5.2000	6.2000
6	7	1982	1640	5	53.9000	60.2000	17.3000	0.0	0.5000	1.3000	0.2000	0.0520	5.2000	6.1000
6	7	1982	1649	5	53.7000	60.2000	17.3000	0.0	0.6000	1.3000	0.2000	0.0580	5.3000	6.3000
8	7	1982	1409	9	52.5000	58.7000	16.6000	4.1800	0.6000	1.3000	0.2000	0.0500	5.4000	5.8000
16	7	1982	1500	9	51.2000	56.6000	16.1000	3.9800	0.5000	1.3000	0.2000	0.0570	5.0000	5.5000
22	7	1982	1130	9	50.8000	56.4000	16.1000	3.9000	0.6000	1.4000	0.2000	0.0500	5.0000	6.8000
29	7	1982	1810	9	50.9000	56.3000	16.3000	3.8000	0.6000	1.4000	0.2000	0.0500	4.8000	6.2000
5	8	1982	1600	9	51.7000	57.5000	16.8000	3.8000	0.6000	1.3000	0.2000	0.0680	4.8000	6.5000
13	8	1982	1030	9	49.7000	54.9000	16.0000	3.6000	0.6000	1.3000	0.2000	0.0720	4.6000	6.0000

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER OOOTSAHOOOI

DD MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	S04
19	8	1982	1430	9	51.0000	57.5000	16.9000	3.7000	0.6000	1.4000	0.2000	0.0870	6.0000
26	8	1982	930	9	50.9000	54.9000	16.8000	3.1000	0.6000	1.4000	0.2000	0.0800	6.3000
3	9	1982	1010	9	48.6000	55.3000	16.2000	3.6000	0.6000	1.4000	0.2000	0.0700	5.6000
8	9	1982	930	9	50.1000	55.5000	16.6000	3.4000	0.6000	1.2000	0.2000	0.0800	6.2000
16	9	1982	1030	9	49.6000	54.9000	16.1000	3.5600	0.6000	1.3000	0.2000	0.1000	5.8000
23	9	1982	1430	9	49.7000	55.4000	16.3000	3.6000	0.7000	1.3000	0.2000	0.0730	6.6000
30	9	1982	1100	9	50.1000	56.0000	16.3000	3.7000	0.5000	1.3000	0.2000	0.0	6.0000
7	10	1982	1430	9	52.2000	59.2000	17.1000	4.0000	0.7000	1.4000	0.3000	0.0850	6.0000
14	10	1982	1135	9	53.7000	59.8000	17.6000	3.8000	0.7000	1.5000	0.2000	0.0600	4.9000
23	10	1982	1350	9	54.3000	61.5000	18.0000	4.0000	0.6000	1.4000	0.3000	0.0600	6.8000
29	10	1982	1350	9	54.8000	61.5000	18.1000	4.0000	0.6000	1.5000	0.3000	0.0700	5.0000
5	11	1982	935	9	57.6000	66.3000	19.3000	4.3900	0.6000	1.5000	0.3000	0.0800	6.8000
10	11	1982	1635	9	59.9000	66.1000	19.5000	4.2000	0.6000	1.6000	0.2000	0.0980	5.1000
18	11	1982	1100	9	66.7000	74.1000	21.6000	4.9000	0.7000	1.8000	0.4000	0.0800	7.4000
25	11	1982	1430	9	65.8000	73.1000	21.5000	4.7000	0.7000	1.7000	0.4000	0.0800	7.2000
2	12	1982	930	9	62.1000	68.8000	20.6000	4.2000	0.8000	1.7000	0.6000	0.1060	5.4000
10	12	1982	1330	9	62.5000	69.1000	20.2000	4.5000	0.8000	1.7000	0.4000	0.1080	7.5000
16	12	1982	1350	9	62.9000	70.1000	20.5000	4.6000	0.8000	1.8000	0.5000	0.1040	7.4000
23	12	1982	1100	9	63.3000	70.3000	20.7000	4.5000	0.8000	1.7000	0.3000	0.1070	7.8000
31	12	1982	1330	9	63.1000	69.8000	20.4000	4.6000	1.0000	2.0000	0.8000	0.1010	7.4000
5	1	1983	1600	9	63.9000	70.7000	20.6000	4.7000	0.6000	1.5000	0.4000	0.1080	7.5000
13	1	1983	1645	9	68.0000	74.9000	22.1000	4.8000	0.8000	1.6000	0.3000	0.1050	7.9000
21	1	1983	1420	9	62.2000	70.2000	20.7000	4.4900	0.8000	1.5000	0.3000	0.1020	5.8000
27	1	1983	900	9	63.5000	71.1000	21.0000	4.5300	0.8000	1.6000	0.3000	0.1030	7.5000
3	2	1983	1530	9	63.5000	70.4000	21.0000	4.4000	0.7000	1.6000	0.3000	0.1010	7.7000
10	2	1983	1045	9	62.9000	70.0000	20.7000	4.4000	0.8000	1.6000	0.3000	0.0870	7.3000
18	2	1983	930	9	63.7000	70.3000	20.5000	4.6400	0.8000	1.5000	0.3000	0.1000	9.3000
25	2	1983	1000	9	62.1000	69.5000	20.7000	4.3000	0.8000	1.6000	0.3000	0.1120	8.1000
3	3	1983	950	9	62.9000	68.6000	20.3000	4.6000	0.7000	1.6000	0.3000	0.1030	7.7000
10	3	1983	935	9	61.7000	68.9000	20.5000	4.3000	0.9000	1.7000	0.4000	0.1100	8.1000
17	3	1983	1000	9	61.4000	68.1000	19.7000	4.6000	0.7000	1.5000	0.3000	0.1190	7.8000
24	3	1983	915	9	65.6000	73.7000	21.3000	5.0000	0.8000	1.7000	0.3000	0.1210	8.6000
31	3	1983	1010	9	61.9000	68.8000	20.1000	4.5000	0.8000	1.5000	0.3000	0.1090	8.4000
7	4	1983	900	9	63.4000	66.7000	18.9000	4.7000	2.5000	4.7000	4.8000	0.0930	11.4000
14	4	1983	1430	9	74.5000	84.3000	24.2000	5.8000	0.9000	2.1000	2.0000	0.1040	9.4000
21	4	1983	835	9	73.9000	82.9000	24.4000	5.3000	0.8000	2.0000	0.3000	0.1000	8.9000
28	4	1983	900	9	63.3000	70.2000	19.6000	5.2000	0.8000	1.6000	0.4000	0.0870	8.2000
5	5	1983	930	9	68.8000	75.9000	22.6000	4.7000	0.9000	1.9000	0.5000	0.0840	8.5000
12	5	1983	1130	9	65.0000	74.1000	22.7000	4.2000	1.0000	2.0000	0.6000	0.1210	8.2000
19	5	1983	1025	9	60.0000	68.3000	19.7000	4.6000	0.8000	1.5000	0.6000	0.0800	6.7000
27	5	1983	1600	9	62.6000	70.6000	19.9000	5.1000	0.6000	1.4000	0.3000	0.1630	8.2000
2	6	1983	1030	9	46.7000	51.8000	15.0000	3.5000	0.9000	1.0000	0.5000	0.0980	5.2000
2	6	1983	1650	3	48.6000	52.9000	16.0000	3.1000	1.0000	1.0000	0.5000	0.0600	5.2000
9	6	1983	1700	9	58.6000	63.7000	18.3000	4.4000	0.6000	1.4000	0.5000	0.0810	5.0000
16	6	1983	1410	9	60.3000	64.3000	18.4000	4.5000	0.7000	1.5000	0.3000	0.0820	6.0000
23	6	1983	1330	9	57.0000	62.6000	18.0000	4.3000	0.7000	1.3000	0.3000	0.0860	6.8000
30	6	1983	1400	9	55.6000	62.1000	17.9000	4.2000	0.6000	1.3000	0.3000	0.0860	6.2000
30	6	1983	1405	3	55.2000	62.1000	18.1000	4.1000	0.6000	1.2000	0.3000	0.0800	6.5000
7	7	1983	1930	9	57.5000	65.5000	18.5000	4.7000	0.5000	1.3000	0.3000	0.0850	6.5000
8	7	1983	1730	3	56.8000	63.5000	18.5000	4.2000	0.7000	1.4000	0.3000	0.0850	6.6000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTO9AH00001

WATER QUALITY BRANCH MONITORING PROGRAM														
REPORT FOR STATION NUMBER				DATA				REPORT		PACIFIC AND YUKON REGION				
QOYT09AHXXX01								YUKON RIVER AT CARMACKS						
DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI-D	SD4
11	7	1983	1715	3	56.2000	62.3000	18.2000	4.1000	0.7000	1.5000	0.3000	0.1410	5.3000	6.6000
14	7	1983	1730	9	56.4000	62.4000	18.3000	4.1000	0.6000	1.4000	0.3000	0.1590	5.3000	6.7000
15	7	1983	1045	3	56.4000	62.2000	18.3000	4.0000	0.6000	1.4000	0.2000	0.1620	5.2000	6.6000
18	7	1983	1815	3	54.8000	62.2000	17.8000	4.3000	0.7000	1.5000	0.3000	0.1100	5.2000	6.5000
21	7	1983	1730	9	56.8000	62.8000	17.9000	4.4000	0.6000	1.4000	0.5000	0.0950	5.3000	6.4000
28	7	1983	1130	9	55.2000	61.1000	17.9000	4.0000	0.6000	1.4000	0.3000	0.1020	5.2000	6.4000
4	8	1983	1730	9	54.1000	60.5000	18.1000	3.7000	0.6000	1.4000	0.3000	0.1260	5.0000	6.1000
11	8	1983	1015	9	54.3000	60.9000	17.8000	4.0000	0.6000	1.4000	0.2000	0.1600	4.8000	6.2000
18	8	1983	1030	9	55.4000	61.6000	18.4000	3.8000	0.7000	1.5000	0.2000	0.1710	5.1000	6.4000
25	8	1983	1230	9	54.9000	61.8000	18.2000	4.0000	0.6000	1.4000	0.2000	0.1350	4.8000	6.5000
1	9	1983	1500	9	54.5000	60.8000	17.9000	3.9000	0.7000	1.4000	0.3000	0.1640	4.8000	6.7000
7	9	1983	1130	9	56.0000	62.0000	18.4000	3.9000	0.7000	1.4000	0.4000	0.1550	5.1000	6.6000
16	9	1983	1600	9	56.2000	63.6000	18.5000	4.2000	0.7000	1.5000	0.3000	0.1070	5.0000	5.9000
22	9	1983	1115	9	57.6000	64.6000	18.8000	4.3000	0.6000	1.5000	0.4000	0.1080	5.1000	6.0000
29	9	1983	1015	9	59.3000	66.2000	18.9000	4.6000	0.7000	1.5000	0.3000	0.1090	5.3000	6.5000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER QOYTOSAH0001

REPORT
YUKON RIVER AT CARMACKS

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
10	10	1980	1130	9	0.0210	19.0000	82.0000	18.0000	67.0000	0.0004	0.0001	0.0	0.0	0.0
17	10	1980	1415	9	0.0220	19.0000	77.0000	11.0000	60.0000	0.0003	0.0001	0.0	0.0	0.0
24	10	1980	1120	9	0.0230	12.0000	72.0000	11.0000	57.0000	0.0003	0.0001	0.0	0.0	0.0
31	10	1980	920	9	0.0260	10.0000	80.0000	9.0000	55.0000	0.0003	0.0001	0.0	0.0	0.0
7	11	1980	1130	9	0.0320	10.0000	79.0000	8.0000	69.0000	0.0003	0.0002	0.0	0.0	0.0
14	11	1980	910	9	0.0300	12.0000	75.0000	10.0000	64.0000	0.0003	0.0002	0.0	0.0	0.0
21	11	1980	1015	9	0.0350	13.0000	108.0000	11.0000	52.0000	0.0003	0.0002	0.0	0.0	0.0
28	11	1980	1050	9	0.0450	10.0000	87.0000	9.0000	77.0000	0.0003	0.0001	0.0	0.0	0.0
5	12	1980	1055	9	0.0510	8.0000	103.0000	7.0000	80.0000	0.0005	0.0001	0.0	0.0	0.0
12	12	1980	1130	9	0.0560	3.0000	116.0000	2.0000	78.0000	0.0004	0.0001	0.0	0.0	0.0
19	12	1980	1420	9	0.0600	3.0000	134.0000	2.0000	79.0000	0.0004	0.0001	0.0	0.0	0.0
26	12	1980	1310	9	0.0500	8.0000	130.0000	6.0000	58.0000	0.0004	0.0001	0.0	0.0	0.0
2	1	1981	930	9	0.0540	7.0000	76.0000	6.0000	52.0000	0.0003	0.0001	0.0	0.0	0.0
9	1	1981	1310	9	0.0450	6.0000	69.0000	4.8000	49.0000	0.0002	0.0001	0.0	0.0	0.0
16	1	1981	1100	9	0.0540	5.0000	129.0000	4.0000	76.0000	0.0005	0.0001	0.0	0.0	0.0
23	1	1981	1330	9	0.0540	4.0000	103.0000	3.0000	68.0000	0.0004	0.0001	0.0	0.0	0.0
30	1	1981	1550	9	0.0530	3.0000	105.0000	2.0000	70.0000	0.0004	0.0001	0.0	0.0	0.0
6	2	1981	1140	9	0.0560	8.0000	99.0000	5.0000	81.0000	0.0004	0.0001	0.0	0.0	0.0
13	2	1981	1305	9	0.0520	8.0000	109.0000	6.0000	42.0000	0.0004	0.0001	0.0	0.0	0.0
19	2	1981	945	9	0.0540	8.0000	97.0000	6.0000	62.0000	0.0005	0.0001	0.0	0.0	0.0
26	2	1981	1410	9	0.0540	7.0000	139.0000	5.0000	65.0000	0.0005	0.0001	0.0	0.0	0.0
6	3	1981	1045	9	0.0510	7.0000	89.0000	6.0000	66.0000	0.0004	0.0001	0.0	0.0	0.0
13	3	1981	1310	9	0.0430	6.0000	87.0000	4.0000	55.0000	0.0003	0.0001	0.0	0.0	0.0
21	3	1981	1655	9	0.0430	6.0000	81.0000	4.0000	68.0000	0.0004	0.0001	0.0	0.0	0.0
27	3	1981	1115	9	0.0430	11.0000	83.0000	8.0000	66.0000	0.0004	0.0001	0.0	0.0	0.0
3	4	1981	1315	9	0.0380	14.0000	62.0000	12.0000	38.0000	0.0005	0.0001	0.0	0.0	0.0
10	4	1981	1615	9	0.0360	8.0000	96.0000	7.0000	57.0000	0.0006	0.0001	0.0	0.0	0.0
16	4	1981	920	9	0.0340	6.0000	94.0000	5.0000	64.0000	0.0006	0.0001	0.0	0.0	0.0
24	4	1981	910	9	0.0270	27.0000	87.0000	22.0000	60.0000	0.0004	0.0001	0.0	0.0	0.0
1	5	1981	915	9	0.0200	26.0000	82.0000	15.0000	78.0000	0.0004	0.0001	0.0	0.0	0.0
8	5	1981	915	9	0.0140	148.0000	113.0000	140.0000	73.0000	0.0006	0.0001	0.0	0.0	0.0
15	5	1981	1900	9	0.0290	140.0000	88.0000	132.0000	60.0000	0.0007	0.0001	0.0	0.0	0.0
22	5	1981	1115	9	0.0002	84.0000	94.0000	80.0000	81.0000	0.0007	0.0001	0.0	0.0	0.0
1	6	1981	1030	9	0.0330	94.0000	87.0000	90.0000	70.0000	0.0007	0.0001	0.0	0.0	0.0
4	6	1981	1445	9	0.0340	92.0000	79.0000	88.0000	55.0000	0.0006	0.0001	0.0	0.0	0.0
12	6	1981	1430	9	0.0160	18.0000	110.0000	18.0000	71.0000	0.0003	0.0001	0.0	0.0	0.0
20	6	1981	1100	9	0.0002	26.8000	83.8000	22.6000	57.5000	0.0004	0.0001	0.0	0.0	0.0
26	6	1981	1410	9	0.0220	17.6000	72.5000	13.6000	55.0000	0.0004	0.0001	0.0	0.0	0.0
3	7	1981	915	9	0.0006	21.2000	71.3000	16.8000	62.5000	0.0004	0.0001	0.0	0.0	0.0
10	7	1981	1154	9	0.0020	8.0000	79.0000	5.0000	47.0000	0.0004	0.0001	0.0	0.0	0.0
17	7	1981	930	9	0.0005	14.0000	79.0000	14.0000	44.0000	0.0005	0.0001	0.0	0.0	0.0
28	7	1981	1310	9	0.0060	18.0000	82.0000	14.0000	52.0000	0.0008	0.0001	0.0	0.0	0.0
31	7	1981	900	9	0.0020	8.0000	97.0000	6.0000	67.0000	0.0004	0.0001	0.0	0.0	0.0
7	8	1981	1115	9	0.0040	16.0000	110.0000	14.0000	100.0000	0.0005	0.0001	0.0	0.0	0.0
14	8	1981	900	9	0.0030	7.0000	88.0000	7.0000	68.0000	0.0050	0.0010	0.0	0.0	0.0
21	8	1981	830	9	0.0020	14.0000	83.0000	12.0000	60.0000	0.0003	0.0001	0.0	0.0	0.0
28	8	1981	950	9	0.0050	26.0000	100.0000	24.0000	50.0000	0.0006	0.0001	0.0	0.0	0.0
4	9	1981	1010	9	0.0030	16.0000	85.0000	15.0000	56.0000	0.0006	0.0001	0.0	0.0	0.0
11	9	1981	1245	9	0.0040	18.0000	70.0000	17.0000	38.0000	0.0005	0.0001	0.0	0.0	0.0
17	9	1981	920	9	0.0040	18.0000	81.0000	17.0000	70.0000	0.0006	0.0001	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YTO9AH00001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	MM	L	NN-D	RNFL	R-FL	R-FNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
25	9	1981	1328	9	0.0070	15.0000	89.0000	13.0000	71.0000	0.0005	0.0001	0.0	0.0	0.0	0.0
2	10	1981	1400	9	0.0090	11.0000	74.0000	7.0000	65.0000	0.0005	0.0001	0.0	0.0	0.0	0.0
9	10	1981	908	8	0.0170	8.0000	91.0000	6.0000	59.0000	0.0005	0.0001	0.0	0.0	0.0	0.0
16	10	1981	1515	9	0.0210	13.0000	74.0000	5.0000	59.0000	0.0003	0.0001	0.0	0.0	0.0	0.0
23	10	1981	1340	8	0.0260	22.0000	60.0000	22.0000	36.0000	0.0005	0.0001	0.0005	0.0010	0.0010	0.0040
30	10	1981	1115	9	0.0680	4.0000	50.0000	2.0000	46.0000	0.0003	0.0001	0.0005	0.0010	0.0010	0.0010
6	11	1981	1050	9	0.0370	6.0000	70.0000	1.0000	36.0000	0.0003	0.0001	0.0005	0.0010	0.0010	0.0010
13	11	1981	1405	9	0.1480	2.0000	82.0000	1.0000	73.0000	0.0003	0.0001	0.0005	0.0010	0.0010	0.0140
20	11	1981	1530	9	0.1480	2.0000	62.0000	1.0000	60.0000	0.0003	0.0001	0.0005	0.0010	0.0010	0.0060
27	11	1981	1310	9	0.0780	4.0000	77.0000	3.0000	47.0000	0.0001	0.0001	0.0005	0.0010	0.0010	0.0010
4	12	1981	1155	9	0.0850	1.0000	78.0000	1.0000	54.0000	0.0001	0.0001	0.0005	0.0010	0.0010	0.0010
11	12	1981	1330	9	0.0910	10.0000	100.0000	8.0000	70.0000	0.0004	0.0001	0.0005	0.0010	0.0010	0.0030
18	12	1981	1330	9	0.0580	1.0000	103.0000	1.0000	79.0000	0.0005	0.0001	0.0005	0.0010	0.0010	0.0010
24	12	1981	1325	9	0.2080	65.0000	105.0000	61.0000	56.0000	0.0004	0.0001	0.0005	0.0010	0.0010	0.0600
31	12	1981	1305	9	0.1030	66.0000	108.0000	61.0000	69.0000	0.0007	0.0001	0.0005	0.0010	0.0010	0.0300
6	1	1982	1305	9	0.0650	15.0000	82.0000	14.0000	79.0000	0.0002	0.0001	0.0005	0.0010	0.0010	0.0070
14	1	1982	1325	9	0.0830	1.0000	86.0000	1.0000	77.0000	0.0004	0.0001	0.0005	0.0010	0.0010	0.0300
22	1	1982	1120	9	0.0750	1.0000	96.0000	1.0000	76.0000	0.0004	0.0001	0.0005	0.0010	0.0010	0.0140
28	1	1982	1135	9	0.0920	1.0000	94.0000	1.0000	75.0000	0.0004	0.0001	0.0005	0.0010	0.0010	0.0020
6	2	1982	1640	9	0.2380	1.0000	88.0000	1.0000	60.0000	0.0007	0.0001	0.0005	0.0010	0.0010	0.0030
11	2	1982	1300	9	0.0960	1.0000	86.0000	1.0000	58.0000	0.0006	0.0001	0.0005	0.0010	0.0010	0.0010
18	2	1982	1030	9	0.2870	3.0000	96.3000	1.0000	80.0000	0.0003	0.0001	0.0005	0.0010	0.0010	0.0010
27	2	1982	1330	9	0.0960	1.0000	98.0000	1.0000	75.0000	0.0005	0.0001	0.0005	0.0010	0.0010	0.0050
4	3	1982	930	9	0.1750	1.0000	94.0000	1.0000	70.0000	0.0007	0.0001	0.0008	0.0060	0.0060	0.0080
12	3	1982	1930	9	0.1070	1.0000	94.0000	1.0000	66.0000	0.0003	0.0001	0.0005	0.0050	0.0050	0.0040
18	3	1982	1337	9	0.1150	4.0000	94.0000	2.0000	76.0000	0.0002	0.0001	0.0005	0.0010	0.0010	0.0010
2	4	1982	1115	9	0.1220	0.0	0.0	0.0	0.0	0.0004	0.0001	0.0005	0.0030	0.0030	0.0010
8	4	1982	945	9	0.1150	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0010	0.0010	0.0010
15	4	1982	830	9	0.0760	0.0	0.0	0.0	0.0	0.0003	0.0002	0.0005	0.0030	0.0030	0.0020
23	4	1982	930	9	0.5400	0.0	0.0	0.0	0.0	0.0002	0.0001	0.0005	0.0010	0.0010	0.0030
29	4	1982	830	9	0.0540	0.0	0.0	0.0	0.0	0.0001	0.0001	0.0005	0.0010	0.0010	0.0010
6	5	1982	1100	9	0.0380	9.0000	0.0	0.0	0.0	0.0002	0.0001	0.0005	0.0005	0.0005	0.0001
14	5	1982	1100	9	0.0450	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0005	0.0040	0.0030
20	5	1982	1100	9	0.0360	0.0	0.0	0.0	0.0	0.0009	0.0001	0.0005	0.0005	0.0050	0.0040
27	5	1982	1130	9	0.1520	0.0	0.0	0.0	0.0	0.0005	0.0001	0.0005	0.0005	0.0050	0.0020
3	6	1982	1245	9	0.2720	0.0	0.0	0.0	0.0	0.0007	0.0001	0.0005	0.0005	0.0060	0.0020
10	6	1982	1530	9	0.0360	0.0	0.0	0.0	0.0	0.0012	0.0001	0.0005	0.0005	0.0080	0.0120
17	6	1982	1030	9	0.3190	100.0000	122.0000	78.0000	82.0000	0.0004	0.0001	0.0005	0.0005	0.0040	0.0050
25	6	1982	1000	9	0.2250	6.0000	4.0000	88.0000	76.0000	0.0006	0.0001	0.0005	0.0005	0.0040	0.0010
2	7	1982	1130	9	0.0130	0.0	0.0	0.0	0.0	0.0002	0.0001	0.0005	0.0005	0.0020	0.0010
6	7	1982	1622	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1631	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1640	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1649	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1409	9	0.0250	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0005	0.0050	0.0020
16	7	1982	1500	9	0.0100	0.0	0.0	0.0	0.0	0.0005	0.0001	0.0005	0.0005	0.0020	0.0010
22	7	1982	1130	9	0.0200	0.0	0.0	0.0	0.0	0.0004	0.0001	0.0005	0.0005	0.0020	0.0010
29	7	1982	1810	9	0.0040	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0005	0.0030	0.0010
5	8	1982	1600	9	0.0350	0.0	0.0	0.0	0.0	0.0005	0.0001	0.0005	0.0005	0.0300	0.0400
13	8	1982	1030	9	0.0560	0.0	0.0	0.0	0.0	0.0005	0.0001	0.0005	0.0005	0.0050	0.0010

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTO9AH0001

REPORT
YUKON RIVER AT CARMACKS

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
19	8	1982	1430	9		0.0290	0.0	0.0	0.0	0.0	0.0004	0.0001	0.0005	0.0030	0.0040
26	8	1982	930	9		0.0830	19.0000	132.0000	14.0000	84.0000	0.0002	0.0001	0.0005	0.0060	0.0050
3	9	1982	1010	9		0.0110	5.0000	56.0000	2.0000	53.0000	0.0003	0.0001	0.0	0.0	0.0
9	9	1982	930	9		0.0030	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0040	0.0020
16	9	1982	1030	9		0.0050	4.0000	64.0000	0.0	54.0000	0.0003	0.0001	0.0	0.0	0.0
23	9	1982	1430	9		0.0130	0.0	72.0000	0.0	64.0000	0.0003	0.0001	0.0005	0.0010	0.0050
30	9	1982	1100	9		0.0080	1.0000	74.0000	0.0	61.0000	0.0002	0.0001	0.0	0.0	0.0
7	10	1982	1430	9		0.0290	9.0000	66.0000	6.0000	58.0000	0.0003	0.0001	0.0	0.0	0.0
14	10	1982	1135	9		0.0290	5.0000	68.0000	4.0000	62.0000	0.0003	0.0001	0.0	0.0	0.0
23	10	1982	1350	9		0.0310	0.0	0.0	0.0	0.0	0.0002	0.0001	0.0	0.0	0.0
29	10	1982	1350	9		0.0470	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0	0.0	0.0
5	11	1982	935	9		0.0460	8.0000	84.0000	6.0000	72.0000	0.0003	0.0001	0.0	0.0	0.0
10	11	1982	1635	9		0.1190	0.0	76.0000	0.0	64.0000	0.0003	0.0001	0.0	0.0	0.0
18	11	1982	1100	9		0.1280	12.0000	164.0000	0.0	160.0000	0.0003	0.0001	0.0	0.0	0.0
25	11	1982	1430	9		0.0810	0.0	42.0000	0.0	34.0000	0.0003	0.0002	0.0	0.0	0.0
2	12	1982	930	9		0.1330	4.0000	82.0000	0.0	48.0000	0.0002	0.0002	0.0	0.0	0.0
10	12	1982	1330	9		0.0780	0.0	0.0	0.0	0.0	0.0001	0.0003	0.0	0.0	0.0
16	12	1982	1350	9		0.0530	0.0	0.0	0.0	0.0	0.0001	0.0001	0.0	0.0	0.0
23	12	1982	1100	9		0.1040	0.0	0.0	0.0	0.0	0.0002	0.0002	0.0	0.0	0.0
31	12	1982	1330	9		0.0690	12.0000	106.0000	0.0	74.0000	0.0002	0.0002	0.0	0.0	0.0
5	1	1983	1600	9		0.0780	0.0	192.0000	0.0	126.0000	0.0003	0.0002	0.0	0.0	0.0
13	1	1983	1645	9		0.1670	2.0000	116.0000	2.0000	90.0000	0.0002	0.0002	0.0	0.0	0.0
21	1	1983	1420	9		0.2790	2.0000	110.0000	0.0	26.0000	0.0002	0.0002	0.0	0.0	0.0
27	1	1983	900	9		0.0430	16.0000	110.0000	2.0000	26.0000	0.0002	0.0001	0.0	0.0	0.0
3	2	1983	1530	9		0.0650	20.0000	104.0000	6.0000	76.0000	0.0003	0.0001	0.0	0.0	0.0
10	2	1983	1045	9		0.0470	22.0000	106.0000	8.0000	36.0000	0.0003	0.0001	0.0	0.0	0.0
18	2	1983	930	9		0.0520	7.0000	152.0000	6.0000	112.0000	0.0003	0.0011	0.0	0.0	0.0
25	2	1983	1000	9		0.0800	5.0000	143.0000	2.0000	116.0000	0.0004	0.0002	0.0	0.0	0.0
3	3	1983	950	9		0.0740	24.0000	118.0000	12.0000	104.0000	0.0004	0.0001	0.0	0.0	0.0
10	3	1983	935	9		0.0560	12.0000	72.0000	4.0000	65.0000	0.0003	0.0001	0.0	0.0	0.0
17	3	1983	1000	9		0.0970	51.0000	88.0000	43.0000	27.0000	0.0003	0.0001	0.0	0.0	0.0
24	3	1983	915	9		0.0530	38.0000	164.0000	26.0000	160.0000	0.0003	0.0003	0.0	0.0	0.0
31	3	1983	1010	9		0.0420	16.0000	58.0000	3.0000	56.0000	0.0003	0.0001	0.0	0.0	0.0
7	4	1983	900	9		0.0980	1.0000	80.0000	1.0000	45.0000	0.0001	0.0001	0.0	0.0	0.0
14	4	1983	1430	9		0.0710	11.0000	93.0000	4.0000	59.0000	0.0003	0.0001	0.0	0.0	0.0
21	4	1983	835	9		0.0340	11.0000	120.0000	4.0000	97.0000	0.0003	0.0001	0.0	0.0	0.0
28	4	1983	900	9		0.0710	26.0000	103.0000	22.0000	86.0000	0.0003	0.0001	0.0	0.0	0.0
5	5	1983	930	9		0.0200	35.0000	178.0000	32.0000	131.0000	0.0004	0.0002	0.0	0.0	0.0
12	5	1983	1130	9		0.0170	198.0000	122.0000	17.0000	74.0000	0.0004	0.0001	0.0	0.0	0.0
19	5	1983	1025	9		0.0360	85.0000	297.0000	63.0000	118.0000	0.0005	0.0003	0.0	0.0	0.0
27	5	1983	1600	9		0.0190	70.0000	79.0000	52.0000	48.0000	0.0005	0.0002	0.0	0.0	0.0
2	6	1983	1030	9		0.0370	150.0000	86.0000	136.0000	35.0000	0.0009	0.0001	0.0	0.0	0.0
2	6	1983	1650	3		0.0820	736.0000	79.0000	697.0000	60.0000	0.0113	0.0001	0.0	0.0	0.0
9	6	1983	1700	9		0.0410	48.0000	38.0000	46.0000	11.0000	0.0004	0.0002	0.0	0.0	0.0
16	6	1983	1410	9		0.0320	30.0000	77.0000	24.0000	68.0000	0.0003	0.0002	0.0	0.0	0.0
23	6	1983	1310	9		0.0310	5.0000	66.0000	2.0000	22.0000	0.0003	0.0002	0.0	0.0	0.0
30	6	1983	1400	9		0.0240	21.0000	122.0000	15.0000	103.0000	0.0002	0.0001	0.0	0.0	0.0
30	6	1983	1405	3		0.2530	2.0000	44.0000	0.0	102.0000	0.0002	0.0001	0.0	0.0	0.0
7	7	1983	1930	9		0.0650	18.0000	122.0000	12.0000	84.0000	0.0002	0.0001	0.0	0.0	0.0
8	7	1983	1730	3		C.1070	6.0000	133.0000	2.0000		0.0003	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YT05AHO001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
11	7	1983	1715	3	0.0400	9.0000	120.0000	3.0000	44.0000	0.0003	0.0001	0.0	0.0	0.0
14	7	1983	1730	9	0.0560	4.0000	83.0000	2.0000	54.0000	0.0003	0.0001	0.0	0.0	0.0
15	7	1983	1045	3	0.0100	9.0000	78.0000	4.0000	48.0000	0.0003	0.0001	0.0	0.0	0.0
18	7	1983	1815	3	0.0620	16.0000	85.0000	14.0000	77.0000	0.0003	0.0010	0.0	0.0	0.0
21	7	1983	1730	9	0.1060	16.0000	116.0000	11.0000	73.0000	0.0002	0.0008	0.0	0.0	0.0
28	7	1983	1130	9	0.0100	18.0000	34.0000	4.0000	22.0000	0.0002	0.0002	0.0	0.0	0.0
4	8	1983	1730	9	0.0150	7.0000	122.0000	0.0	101.0000	0.0005	0.0002	0.0	0.0	0.0
11	8	1983	1015	9	0.0410	12.0000	117.0000	6.0000	62.0000	0.0020	0.0010	0.0	0.0	0.0
18	8	1983	1030	9	0.0110	15.0000	91.0000	10.0000	21.0000	0.0003	0.0001	0.0	0.0	0.0
25	8	1983	1230	9	0.0100	5.0000	180.0000	2.0000	142.0000	0.0003	0.0001	0.0	0.0	0.0
1	9	1983	1500	9	0.0210	9.0000	108.0000	1.0000	73.0000	0.0003	0.0001	0.0	0.0	0.0
7	9	1983	1130	9	0.0120	5.0000	89.0000	3.0000	59.0000	0.0003	0.0002	0.0	0.0	0.0
16	9	1983	1600	9	0.0520	7.0000	117.0000	3.0000	41.0000	0.0003	0.0001	0.0	0.0	0.0
22	9	1983	1115	9	0.0110	3.0000	75.0000	2.0000	58.0000	0.0003	0.0001	0.0	0.0	0.0
28	9	1983	1015	9	0.0860	13.0000	162.0000	9.0000	91.0000	0.0003	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER COYT09AH00001
 YUKON RIVER AT CARMACKS PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HQ-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
10	10	1980	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	10	1980	1415	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	10	1980	1120	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	10	1980	920	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11	1980	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	11	1980	910	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	11	1980	1015	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	11	1980	1050	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	12	1980	1055	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	12	1980	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	12	1980	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	12	1980	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1	1981	930	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1	1981	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	1	1981	1100	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1	1981	1330	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1	1981	1550	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	2	1981	1140	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	2	1981	1305	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2	1981	945	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	2	1981	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3	1981	1045	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3	1981	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	3	1981	1655	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	3	1981	1115	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	4	1981	1315	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	4	1981	1615	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	4	1981	920	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	4	1981	910	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	5	1981	915	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	5	1981	915	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	5	1981	1900	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	5	1981	1115	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	6	1981	1030	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	6	1981	1445	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	6	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	6	1981	1100	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	6	1981	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7	1981	915	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	7	1981	1154	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	7	1981	930	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1981	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	7	1981	900	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	8	1981	1115	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	8	1981	900	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	8	1981	830	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	8	1981	950	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	9	1981	1010	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	9	1981	1245	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	9	1981	920	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YTO5AHO001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
25	8	1981	1328	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	10	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	10	1981	908	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	10	1981	1515	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	10	1981	1340	9		0.2100	0.0010	0.0100	0.0500	0.1240	0.0140	0.0	0.0	0.0	0.0
30	10	1981	1115	9		0.2200	0.0010	0.0100	0.0500	0.1140	0.0150	0.0	0.0	0.0	0.0
6	11	1981	1050	9		0.3600	0.0030	0.0100	0.0500	0.1100	0.0180	0.0	0.0	0.0	0.0
13	11	1981	1405	9		0.3900	0.0010	0.0100	0.0500	0.2560	0.0250	0.0	0.0	0.0	0.0
20	11	1981	1530	9		0.2000	0.0010	0.0100	0.0500	0.2530	0.0150	0.0	0.0	0.0	0.0
27	11	1981	1310	9		0.1200	0.0010	0.0100	0.0500	0.1520	0.0070	0.0	0.0	0.0	0.0
4	12	1981	1155	9		0.1200	0.0010	0.0100	0.0500	0.1850	0.0060	0.0	0.0	0.0	0.0
11	12	1981	1330	9		0.2400	0.0020	0.0200	0.0500	0.2780	0.0320	0.0	0.0	0.0	0.0
18	12	1981	1330	9		0.0360	0.0010	0.0100	0.0500	0.1550	0.0060	0.0	0.0	0.0	0.0
24	12	1981	955	9		1.2000	0.0030	0.0600	0.0500	0.6320	0.0860	0.0	0.0	0.0	0.0
31	12	1981	1305	9		0.1900	0.0020	0.0100	0.0500	0.3610	0.0700	0.0	0.0	0.0	0.0
8	1	1982	1305	9		0.5000	0.0010	0.0200	0.0500	0.0530	0.0530	0.0	0.0	0.0	0.0
14	1	1982	1325	9		0.0230	0.0010	0.0100	0.0500	0.1680	0.0030	0.0	0.0	0.0	0.0
22	1	1982	1120	9		0.0480	0.0020	0.0100	0.0500	0.2750	0.0150	0.0	0.0	0.0	0.0
28	1	1982	1135	9		0.0170	0.0010	0.0100	0.0500	0.1740	0.0060	0.0	0.0	0.0	0.0
6	2	1982	1640	9		0.5600	0.0010	0.0100	0.0500	0.3940	0.0050	0.0	0.0	0.0	0.0
11	2	1982	1300	9		0.0500	0.0010	0.0100	0.0100	0.2490	0.0060	0.0	0.0	0.0	0.0
16	2	1982	1030	9		0.0500	0.0020	0.0100	0.0500	0.4470	0.0080	0.0	0.0	0.0	0.0
27	2	1982	1330	9		0.0170	0.0010	0.0100	0.0500	0.1860	0.0060	0.0	0.0	0.0	0.0
4	3	1982	930	9		0.9200	0.0030	0.0100	0.0500	0.4790	0.0230	0.0	0.0	0.0	0.0
12	3	1982	1930	9		0.0700	0.0010	0.0100	0.0500	0.3600	0.0070	0.0	0.0	0.0	0.0
18	3	1982	1337	9		0.0300	0.0010	0.0100	0.0500	0.2420	0.0070	0.0	0.0	0.0	0.0
2	4	1982	1115	9		0.0270	0.0010	0.0400	0.0500	0.2160	0.0050	0.0	0.0	0.0	0.0
8	4	1982	945	9		0.0310	0.0010	0.0100	0.0500	0.2130	0.0030	0.0	0.0	0.0	0.0
15	4	1982	830	9		0.0370	0.0010	0.0500	0.0500	0.1350	0.0020	0.0	0.0	0.0	0.0
23	4	1982	930	9		0.0030	0.0010	0.0100	0.0500	0.6590	0.0080	0.0	0.0	0.0	0.0
29	4	1982	830	9		0.0450	0.0010	0.0200	0.0500	0.1290	0.0060	0.0	0.0	0.0	0.0
6	5	1982	1100	9		0.6500	0.0010	0.0100	0.0500	0.1380	0.0330	0.0	0.0	0.0	0.0
14	5	1982	1100	9		1.4000	0.0010	0.0700	0.0500	0.4030	0.0820	0.0	0.0	0.0	0.0
20	5	1982	1100	9		1.1000	0.0010	0.0600	0.0500	0.2550	0.0720	0.0	0.0	0.0	0.0
27	5	1982	1130	9		1.1000	0.0020	0.0400	0.0500	0.4430	0.0660	0.0	0.0	0.0	0.0
3	6	1982	1245	9		1.6000	0.0020	0.0700	0.0500	0.7000	0.1560	0.0	0.0	0.0	0.0
10	6	1982	1530	9		2.8000	0.0060	0.1100	0.0500	0.1620	0.1370	0.0	0.0	0.0	0.0
17	6	1982	1030	9		0.5300	0.0010	0.0300	0.0500	0.3400	0.0620	0.0	0.0	0.0	0.0
25	6	1982	1000	9		0.4700	0.0020	0.0200	0.0500	0.3460	0.0390	0.0	0.0	0.0	0.0
2	7	1982	1130	9		0.2300	0.0010	0.0100	0.0500	0.1080	0.0270	0.0	0.0	0.0	0.0
6	7	1982	1622	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1631	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1640	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1649	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1409	9		0.3200	0.0010	0.0100	0.0500	0.1030	0.0230	0.0	0.0	0.0	0.0
16	7	1982	1500	9		0.2000	0.0010	0.0100	0.0500	0.1170	0.0190	0.0	0.0	0.0	0.0
22	7	1982	1130	9		0.2300	0.0010	0.0100	0.0500	0.1290	0.0170	0.0	0.0	0.0	0.0
29	7	1982	1810	9		0.2300	0.0010	0.0100	0.0500	0.0690	0.0190	0.0	0.0	0.0	0.0
5	8	1982	1600	9		0.1800	0.0030	0.0100	0.0500	0.1210	0.0110	0.0	0.0	0.0	0.0
13	8	1982	1030	9		0.1900	0.0010	0.0100	0.0500	0.0	0.0140	0.0	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AH0001

REPORT
YUKON RIVER AT CARMACKS

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
19	8	1982	1430	9		0.1000	0.0010	0.0100	0.0500	0.0840	0.0080	0.0	0.0	0.0	0.0
26	8	1982	930	9		0.1600	0.0020	0.0100	0.0500	0.1560	0.0120	0.0	0.0	0.0	0.0
3	9	1982	1010	9		0.0	0.0	0.0	0.0	0.0710	0.0110	0.0	13.0000	1.9000	0.0
9	9	1982	930	9		0.1600	0.0010	0.0100	0.0500	0.0570	0.0080	0.0	0.0	0.0	0.0
16	9	1982	1030	9		0.0	0.0	0.0	0.0	0.0570	0.0120	0.0	11.0000	3.5000	0.0
23	9	1982	1430	8		0.1100	0.0010	0.0100	0.1500	0.1350	0.0080	0.0	11.0000	3.5000	0.0
30	9	1982	1100	9		0.0	0.0	0.0	0.0	0.0740	0.0110	0.0	12.0000	4.1000	0.0
7	10	1982	1430	9		0.0	0.0	0.0	0.0	0.0900	0.0100	0.0	12.0000	4.1000	0.0
14	10	1982	1135	9		0.0	0.0	0.0	0.0	0.1210	0.0100	0.0	12.0000	4.1000	0.0
23	10	1982	1350	9		0.0	0.0	0.0	0.0	0.1720	0.0550	0.0	13.0000	4.5000	0.0
28	10	1982	1350	9		0.0	0.0	0.0	0.0	0.1450	0.0100	0.0	15.0000	2.4000	0.0
5	11	1982	835	9		0.0	0.0	0.0	0.0	0.1190	0.0120	0.0	14.0000	3.3000	0.0
10	11	1982	1635	9		0.0	0.0	0.0	0.0	0.1930	0.0150	0.0	15.0000	3.1000	0.0
18	11	1982	1100	9		0.0	0.0	0.0	0.0	0.2390	0.0070	0.0	19.0000	2.6000	0.0
25	11	1982	1430	9		0.0	0.0	0.0	0.0	0.2210	0.0060	0.0	16.0000	3.2000	0.0
2	12	1982	830	9		0.0	0.0	0.0	0.0	0.2530	0.0060	0.0	15.0000	3.4000	0.0
10	12	1982	1330	9		0.0	0.0	0.0	0.0	0.1880	0.0060	0.0	15.0000	4.5000	0.0
16	12	1982	1350	9		0.0	0.0	0.0	0.0	0.2420	0.0170	0.0	15.0000	4.2000	0.0
23	12	1982	1100	9		0.0	0.0	0.0	0.0	0.2380	0.0210	0.0	15.0000	4.2000	0.0
31	12	1982	1330	9		0.0	0.0	0.0	0.0	0.3220	0.0110	0.0	16.0000	3.9000	0.0
5	1	1983	1600	9		0.0	0.0	0.0	0.0	0.1550	0.0070	0.0	15.0000	3.8000	0.0
13	1	1983	1645	9		0.0	0.0	0.0	0.0	0.2360	0.0130	0.0	16.0000	5.4000	0.0
21	1	1983	1420	9		0.0	0.0	0.0	0.0	0.4110	0.0090	0.0	20.0000	2.6000	0.0
27	1	1983	900	9		0.0	0.0	0.0	0.0	0.1180	0.0060	0.0	21.0000	3.0000	0.0
3	2	1983	1530	9		0.0	0.0	0.0	0.0	0.1170	0.0030	0.0	20.0000	3.4000	0.0
10	2	1983	1045	9		0.0	0.0	0.0	0.0	0.0118	0.0110	0.0	14.0000	3.1000	0.0
18	2	1983	930	9		0.0	0.0	0.0	0.0	0.1010	0.0050	0.0	14.0000	4.7000	0.0
25	2	1983	1000	9		0.0	0.0	0.0	0.0	0.1430	0.0080	0.0	17.0000	2.6000	0.0
3	3	1983	950	9		0.0	0.0	0.0	0.0	0.1460	0.0260	0.0	15.0000	4.3000	0.0
10	3	1983	935	9		0.0	0.0	0.0	0.0	0.1190	0.0100	0.0	16.0000	2.8000	0.0
17	3	1983	1000	9		0.0	0.0	0.0	0.0	0.1070	0.0290	0.0	19.0000	4.2000	0.0
24	3	1983	915	9		0.0	0.0	0.0	0.0	0.1060	0.0390	0.0	20.0000	5.4000	0.0
31	3	1983	1010	9		0.0	0.0	0.0	0.0	0.1080	0.0160	0.0	18.0000	4.1000	0.0
7	4	1983	900	9		0.0	0.0	0.0	0.0	7.4700	0.5330	0.0	16.0000	8.9000	0.0
14	4	1983	1430	9		0.0	0.0	0.0	0.0	0.1310	0.0210	0.0	19.0000	2.1000	0.0
21	4	1983	835	9		0.0	0.0	0.0	0.0	0.0710	0.0060	0.0	19.0000	2.0000	0.0
28	4	1983	900	9		0.0	0.0	0.0	0.0	0.1270	0.0370	0.0	15.0000	3.8000	0.0
5	5	1983	930	9		0.0	0.0	0.0	0.0	0.1690	0.0420	0.0	15.0000	8.1000	0.0
12	5	1983	1130	9		0.0	0.0	0.0	0.0	0.1620	0.0610	0.0	16.0000	8.5000	0.0
19	5	1983	1025	9		0.0	0.0	0.0	0.0	0.1580	0.0990	0.0	17.0000	14.0000	0.0
27	5	1983	1600	9		0.0	0.0	0.0	0.0	0.0960	0.0190	0.0	17.0000	3.4000	0.0
2	6	1983	1030	9		0.0	0.0	0.0	0.0	0.1590	0.1010	0.0	13.0000	4.2000	0.0
2	6	1983	1650	3		0.0	0.0	0.0	0.0	0.2300	0.5050	0.0	14.0000	8.1000	0.0
9	6	1983	1700	9		0.0	0.0	0.0	0.0	0.1030	0.0220	0.0	16.0000	2.4000	0.0
16	6	1983	1410	9		0.0	0.0	0.0	0.0	0.0970	0.0500	0.0	16.0000	2.2000	0.0
23	6	1983	1330	9		0.0	0.0	0.0	0.0	0.1050	0.0190	0.0	14.0000	3.9000	0.0
30	6	1983	1400	9		0.0	0.0	0.0	0.0	0.1630	0.0120	0.0	14.0000	1.8000	0.0
30	6	1983	1405	3		0.0	0.0	0.0	0.0	0.3520	0.0420	0.0	13.0000	4.2000	0.0
7	7	1983	1930	9		0.0	0.0	0.0	0.0	0.1720	0.0580	0.0	15.0000	2.2000	0.0
8	7	1983	1730	3		0.0	0.0	0.0	0.0	0.1820	0.0110	0.0	14.0000	2.7000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YT05AH0001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
11	7	1983	1715	3		0.0	0.0	0.0	0.0	0.0980	0.0170	0.0	14.0000	2.6000	0.0
14	7	1983	1730	9		0.0	0.0	0.0	0.0	0.1200	0.0160	0.0	15.0000	1.5000	0.0
15	7	1983	1045	3		0.0	0.0	0.0	0.0	0.0980	0.0160	0.0	14.0000	1.8000	0.0
18	7	1983	1815	3		0.0	0.0	0.0	0.0	0.1550	0.0180	0.0	14.0000	2.6000	0.0
21	7	1983	1730	9		0.0	0.0	0.0	0.0	0.2520	0.0130	0.0	15.0000	1.3000	0.0
26	7	1983	1130	9		0.0	0.0	0.0	0.0	0.1070	0.0130	0.0	17.0000	0.9100	0.0
4	8	1983	1730	9		0.0	0.0	0.0	0.0	0.0980	0.0140	0.0	14.0000	1.4000	0.0
11	8	1983	1015	9		0.0	0.0	0.0	0.0	0.0980	0.0140	0.0	13.0000	1.8000	0.0
18	8	1983	1030	9		0.0	0.0	0.0	0.0	0.0730	0.0130	0.0	14.0000	0.7900	0.0
25	8	1983	1230	9		0.0	0.0	0.0	0.0	0.1050	0.0100	0.0	15.0000	0.7800	0.0
1	9	1983	1500	9		0.0	0.0	0.0	0.0	0.0840	0.0090	0.0	15.0000	1.7000	0.0
7	9	1983	1130	9		0.0	0.0	0.0	0.0	0.0940	0.0100	0.0	15.0000	1.8000	0.0
16	9	1983	1600	9		0.0	0.0	0.0	0.0	0.1510	0.0100	0.0	14.0000	3.0000	0.0
22	9	1983	1115	9		0.0	0.0	0.0	0.0	0.1360	0.0080	0.0	15.0000	2.6000	0.0
29	9	1983	1015	9		0.0	0.0	0.0	0.0	0.1790	0.0140	0.0	15.0000	2.4000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YTOBAH0001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
10	10	1980	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	10	1980	1415	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	10	1980	1120	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	10	1980	920	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11	1980	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	11	1980	910	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	11	1980	1015	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	11	1980	1050	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	12	1980	1055	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	12	1980	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	12	1980	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	12	1980	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1	1981	930	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1	1981	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	1	1981	1100	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1	1981	1330	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1	1981	1550	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	2	1981	1140	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	2	1981	1305	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2	1981	945	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	2	1981	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3	1981	1045	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3	1981	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	3	1981	1655	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	3	1981	1115	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	4	1981	1315	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	4	1981	1615	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	4	1981	920	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	4	1981	910	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	5	1981	915	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	5	1981	915	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	5	1981	1900	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	5	1981	1115	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	6	1981	1030	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	6	1981	1445	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	6	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	6	1981	1100	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	6	1981	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7	1981	915	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	7	1981	1154	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	7	1981	930	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1981	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	7	1981	900	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	8	1981	1115	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	8	1981	900	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	8	1981	830	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	8	1981	950	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	9	1981	1010	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	9	1981	1245	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	9	1981	920	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AH0001

PACIFIC AND YUKON REGION
 YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
25	9	1981	1328	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	10	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	10	1981	908	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	10	1981	1515	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	10	1981	1340	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	10	1981	1115	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	11	1981	1050	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	11	1981	1405	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	11	1981	1530	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	11	1981	1310	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	12	1981	1155	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	12	1981	1330	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	12	1981	1330	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	12	1981	955	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	12	1981	1305	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1	1982	1305	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	1	1982	1325	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1	1982	1120	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	1	1982	1135	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	2	1982	1640	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	2	1982	1300	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	2	1982	1030	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	2	1982	1330	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	3	1982	930	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	3	1982	1930	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	3	1982	1337	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	4	1982	1115	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	4	1982	945	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	4	1982	830	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	4	1982	830	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	4	1982	830	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	5	1982	1100	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	5	1982	1100	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	5	1982	1100	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	5	1982	1130	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	6	1982	1245	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	6	1982	1530	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	6	1982	1030	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	6	1982	1000	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	7	1982	1130	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1622	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1631	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1640	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1648	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1409	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	7	1982	1500	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	7	1982	1130	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	7	1982	1810	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	8	1982	1600	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	8	1982	1030	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YT09AH0001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
19	8	1982	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	8	1982	930	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9	1982	1010	9		0.0005	0.0	0.0	0.0030	0.2700	0.0040	0.0100	0.0500	0.0010	0.0
9	9	1982	830	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	9	1982	1030	9		0.0005	0.0	0.0	0.0020	0.1600	0.0010	0.0100	1.2000	0.0010	0.0
23	9	1982	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	9	1982	1100	9		0.0005	0.0	0.0	0.0070	0.4000	0.0010	0.0100	0.0500	0.0040	0.0
7	10	1982	1430	9		0.0005	0.0	0.0	0.0010	0.1500	0.0010	0.0100	0.0500	0.0020	0.0
14	10	1982	1135	9		0.0005	0.0	0.0	0.0050	0.3300	0.0020	0.0100	0.0500	0.0070	0.0
23	10	1982	1350	9		0.0005	0.0	0.0	0.0060	0.1900	0.0030	0.0100	0.0500	0.0030	0.0
28	10	1982	1350	9		0.0	0.0	0.0	0.0010	0.1800	0.0020	0.0100	0.0500	0.0080	0.0
5	11	1982	935	9		0.0005	0.0	0.0	0.0010	0.3100	0.0020	0.0100	0.0500	0.0010	0.0
10	11	1982	1635	9		0.0005	0.0	0.0	0.0010	0.1800	0.0010	0.0100	0.0500	0.0030	0.0
18	11	1982	1100	9		0.0005	0.0	0.0	0.0020	0.1000	0.0010	0.0100	0.0500	0.0040	0.0
25	11	1982	1430	9		0.0005	0.0	0.0	0.0020	0.1000	0.0010	0.0100	0.0500	0.0030	0.0
2	12	1982	930	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	12	1982	1330	9		0.0005	0.0	0.0	0.0030	0.0600	0.0010	0.0100	0.0500	0.0020	0.0
16	12	1982	1350	9		0.0014	0.0	0.0	0.0080	0.8100	0.0050	0.0100	0.0500	0.0150	0.0
23	12	1982	1100	9		0.0005	0.0	0.0	0.0030	0.3700	0.0020	0.0100	0.0500	0.0210	0.0
31	12	1982	1330	9		0.0006	0.0	0.0	0.0030	0.1800	0.0040	0.0100	0.0500	0.1500	0.0
5	1	1983	1600	9		0.0005	0.0	0.0	0.0030	0.0700	0.0020	0.0100	0.0500	0.0210	0.0
13	1	1983	1645	9		0.0005	0.0	0.0	0.0010	0.0600	0.0010	0.0100	0.0500	0.0010	0.0
21	1	1983	1420	9		0.0	0.0	0.0	0.0010	0.0800	0.0010	0.0100	0.0500	0.0050	0.0
27	1	1983	900	9		0.0005	0.0	0.0	0.0010	0.1200	0.0010	0.0100	0.0500	0.0030	0.0
3	2	1983	1530	9		0.0005	0.0	0.0	0.0010	0.0290	0.0050	0.0100	0.0500	0.0010	0.0
10	2	1983	1045	9		0.0005	0.0	0.0	0.0040	0.1000	0.0020	0.0100	0.0500	0.0090	0.0
18	2	1983	930	9		0.0005	0.0	0.0	0.0010	0.0250	0.0010	0.0100	0.0500	0.0010	0.0
25	2	1983	1000	9		0.0005	0.0	0.0	0.0020	0.1400	0.0020	0.0100	0.0500	0.0050	0.0
3	3	1983	950	9		0.0005	0.0	0.0	0.0010	0.4400	0.0040	0.0100	0.0500	0.0010	0.0
10	3	1983	935	9		0.0005	0.0	0.0	0.0010	0.3000	0.0090	0.0100	0.0500	0.0070	0.0
17	3	1983	1000	9		0.0005	0.0	0.0	0.0020	0.5000	0.0030	0.0100	0.0500	0.0020	0.0
24	3	1983	915	9		0.0005	0.0	0.0	0.0010	0.7200	0.0140	0.0300	0.0500	0.0070	0.0
31	3	1983	1010	9		0.0005	0.0	0.0	0.0010	0.0600	0.0010	0.0100	0.0500	0.0010	0.0
7	4	1983	900	9		0.0005	0.0	0.0	0.0020	0.0320	0.0010	0.0100	0.0500	0.0070	0.0
14	4	1983	1430	9		0.0005	0.0	0.0	0.0050	0.4800	0.0040	0.0300	0.0500	0.0010	0.0
21	4	1983	835	9		0.0005	0.0	0.0	0.0040	0.1400	0.0010	0.0300	0.0500	0.0010	0.0
28	4	1983	900	9		0.0005	0.0	0.0	0.0010	0.5200	0.0030	0.0200	0.0500	0.0010	0.0
5	5	1983	930	9		0.0005	0.0	0.0	0.0030	1.1000	0.0050	0.0400	0.0500	0.0030	0.0
12	5	1983	1130	9		0.0005	0.0	0.0	0.0050	1.5000	0.0040	0.0400	0.0500	0.0070	0.0
19	5	1983	1025	9		0.0005	0.0	0.0	0.0050	2.6000	0.0010	0.0600	0.0500	0.0050	0.0
27	5	1983	1600	9		0.0005	0.0	0.0	0.0010	0.9500	0.0010	0.0300	0.0500	0.0010	0.0
2	6	1983	1030	9		0.0005	0.0	0.0	0.0100	5.1000	0.0120	0.1200	0.0500	0.0200	0.0
9	6	1983	1650	3		0.0005	0.0	0.0	0.0170	9.1000	0.0170	0.2600	0.0500	0.0260	0.0
16	6	1983	1700	9		0.0005	0.0	0.0	0.0010	0.7000	0.0030	0.0300	0.0500	0.0100	0.0
23	6	1983	1410	9		0.0005	0.0	0.0	0.0010	0.7000	0.0030	0.0300	0.0500	0.0080	0.0
30	6	1983	1330	9		0.0005	0.0	0.0	0.0010	0.7000	0.0030	0.0300	0.0500	0.0050	0.0
30	6	1983	1400	9		0.0005	0.0	0.0	0.0020	0.3300	0.0020	0.0100	0.0500	0.0050	0.0
30	6	1983	1405	3		0.0005	0.0	0.0	0.0020	0.4200	0.0010	0.0100	0.0500	0.0030	0.0
7	7	1983	1930	9		0.0005	0.0	0.0	0.0010	0.6000	0.0010	0.0100	0.0500	0.0040	0.0
8	7	1983	1730	3		0.0005	0.0	0.0	0.0010	0.3100	0.0010	0.0100	0.0500	0.0010	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM
REPORT FOR STATION NUMBER 00YTO9AH0001

PACIFIC AND YUKON REGION
YUKON RIVER AT CARMACKS

REPORT
YUKON RIVER AT CARMACKS

DATA
YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
11	7	1983	1715	3		0.0	0.0	0.0	0.0005	0.0010	0.2300	0.0010	0.0100	0.0500	0.0010
14	7	1983	1730	9		0.0	0.0	0.0	0.0005	0.0030	0.4700	0.0010	0.0200	0.0500	0.0050
15	7	1983	1045	3		0.0	0.0	0.0	0.0005	0.0030	0.3700	0.0010	0.0100	0.0500	0.0010
18	7	1983	1815	3		0.0	0.0	0.0	0.0005	0.0020	0.2900	0.0030	0.0100	0.0500	0.0020
21	7	1983	1730	9		0.0	0.0	0.0	0.0025	0.0030	0.3400	0.0020	0.0100	0.0500	0.0030
28	7	1983	1130	9		0.0	0.0	0.0	0.0005	0.0040	0.2200	0.0010	0.0100	0.0500	0.0010
4	8	1983	1730	9		0.0	0.0	0.0	0.0005	0.0060	0.2100	0.0030	0.0100	0.0500	0.0030
11	8	1983	1015	9		0.0	0.0	0.0	0.0	0.0090	0.2400	0.0010	0.0100	0.0500	0.0020
18	8	1983	1030	9		0.0	0.0	0.0	0.0005	0.0040	0.3700	0.0010	0.0100	0.0500	0.0050
25	8	1983	1230	9		0.0	0.0	0.0	0.0005	0.0100	0.4500	0.0020	0.0200	0.0500	0.0020
1	9	1983	1600	9		0.0	0.0	0.0	0.0005	0.0040	0.3200	0.0010	0.0100	0.0500	0.0030
7	9	1983	1130	9		0.0	0.0	0.0	0.0005	0.0010	0.3200	0.0010	0.0100	0.0500	0.0010
16	9	1983	1600	9		0.0	0.0	0.0	0.0005	0.0010	0.3200	0.0020	0.0100	0.0500	0.0010
22	9	1983	1115	9		0.0	0.0	0.0	0.0005	0.0020	0.2700	0.0030	0.0100	0.0500	0.0010
29	9	1983	1015	9		0.0	0.0	0.0	0.0005	0.0010	0.5800	0.0010	0.0200	0.0500	0.0050

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APPENDIX 2.3

00YT09AB0006 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Sampled by DIAND employees from d/s side of control structure located at Alaska Highway 1444 km. Sample site is located 2480 km from the mouth of the Yukon River and 53 km south of Whitehorse, YT	LAT 60°34'40"N LONG 134°40'54"W	653 m (2144 ft)	19,000 km ² (7,340 mi ²)	weekly	FIGURE 1 FIGURE 4 PLATE 7 PLATE 8 MAP 105 D/10

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (WCS 09AB001, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	113*	102*	95.2*	95.5	138	291	435	495	457	352	194	133*
MAXIMUM	185*	154*	173*	194	236	463	598	631	562	512	388	229*
MINIMUM	56.6*	55.6*	56.4*	49.6	68.2	149	364	364	303	205	765	79.8*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									463	289	141	133*
1983	*	*	*									

* - ICE CONDITIONS



PLATE 7 WATER QUALITY STATION 00YT09AB0006
LOOKING UPSTREAM YUKON RIVER AT SAMPLE
SITE ON MARSH LAKE CONTROL STRUCTURE



PLATE 8 WATER QUALITY STATION 00YT09AB0006
LOOKING UPSTREAM YUKON RIVER AT
MARSH LAKE CONTROL STRUCTURE (WINTER)

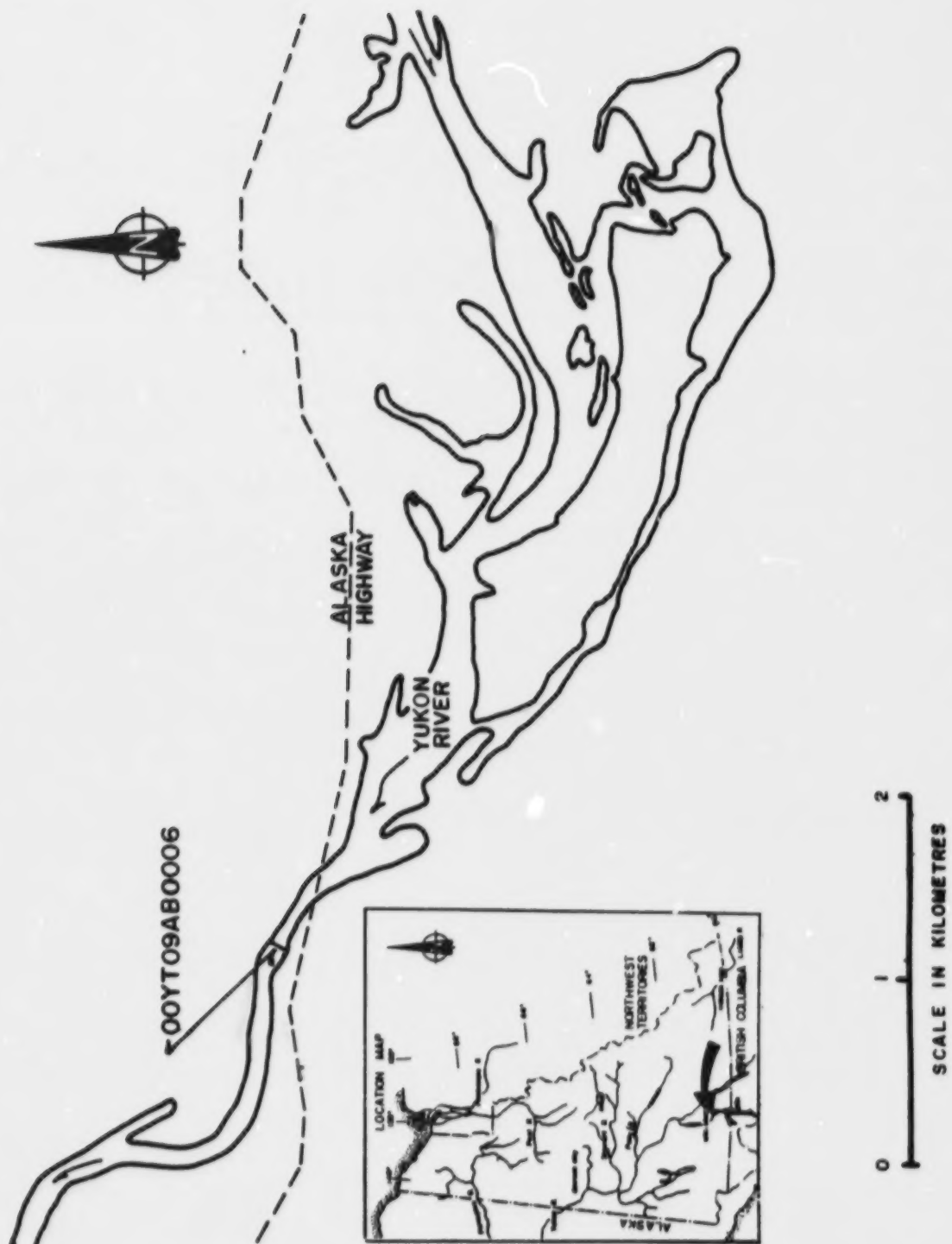


FIGURE 4 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE
WATER QUALITY STATION OOYT09AB0006

WATER QUALITY BRANCH MONITORING PROGRAM DATA										REPORT				PACIFIC AND YUKON REGION				YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE				ALKP																							
REPORT FOR STATION NUMBER C00Y09AB00006										T-WF				PH-F				SC-F				T-WL				PH-L				SC-L				TURB				COLR				ALKP			
DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL				PH-L				SC-L				TURB				COLR				ALKP															
11	7	1980	1330	9	20.0000	0.0	7.7000	95.0000	22.0000	7.9000	90.3000	0.8800	5.0000	7.9000	90.3000	0.8800	5.0000	7.9000	90.3000	0.8800	5.0000	7.9000	90.3000	0.8800	5.0000	7.9000	90.3000	0.8800	5.0000	7.9000	90.3000	0.8800	5.0000												
18	7	1980	1630	9	20.5000	15.0000	8.1000	60.0000	20.8000	7.9000	89.3000	0.8700	5.0000	7.9000	89.3000	0.8700	5.0000	7.9000	89.3000	0.8700	5.0000	7.9000	89.3000	0.8700	5.0000	7.9000	89.3000	0.8700	5.0000	7.9000	89.3000	0.8700	5.0000												
25	7	1980	1310	9	18.5000	15.0000	8.4000	60.0000	24.2000	7.9000	89.4000	0.2700	5.0000	7.9000	89.4000	0.2700	5.0000	7.9000	89.4000	0.2700	5.0000	7.9000	89.4000	0.2700	5.0000	7.9000	89.4000	0.2700	5.0000	7.9000	89.4000	0.2700	5.0000												
1	8	1980	1345	9	14.0000	13.0000	8.5000	50.0000	24.2000	7.9000	89.4000	0.5000	5.0000	7.9000	89.4000	0.5000	5.0000	7.9000	89.4000	0.5000	5.0000	7.9000	89.4000	0.5000	5.0000	7.9000	89.4000	0.5000	5.0000	7.9000	89.4000	0.5000	5.0000												
8	8	1980	1400	9	17.5000	14.0000	8.4000	40.0000	22.2000	7.7000	88.7000	0.4000	5.0000	7.7000	88.7000	0.4000	5.0000	7.7000	88.7000	0.4000	5.0000	7.7000	88.7000	0.4000	5.0000	7.7000	88.7000	0.4000	5.0000	7.7000	88.7000	0.4000	5.0000												
15	8	1980	1330	9	15.0000	13.0000	8.5000	50.0000	19.3000	7.8000	88.0000	0.5500	5.0000	7.8000	88.0000	0.5500	5.0000	7.8000	88.0000	0.5500	5.0000	7.8000	88.0000	0.5500	5.0000	7.8000	88.0000	0.5500	5.0000	7.8000	88.0000	0.5500	5.0000												
22	8	1980	1400	9	15.0000	14.0000	8.5000	45.0000	21.4000	7.7000	89.2000	0.3400	5.0000	7.7000	89.2000	0.3400	5.0000	7.7000	89.2000	0.3400	5.0000	7.7000	89.2000	0.3400	5.0000	7.7000	89.2000	0.3400	5.0000	7.7000	89.2000	0.3400	5.0000												
29	8	1980	1400	8	12.0000	12.0000	8.4000	40.0000	21.3000	7.7000	84.1000	0.6800	5.0000	7.7000	84.1000	0.6800	5.0000	7.7000	84.1000	0.6800	5.0000	7.7000	84.1000	0.6800	5.0000	7.7000	84.1000	0.6800	5.0000	7.7000	84.1000	0.6800	5.0000												
5	9	1980	1400	9	10.0000	5.0000	8.4000	40.0000	21.3000	7.6000	95.7000	0.6600	5.0000	7.6000	95.7000	0.6600	5.0000	7.6000	95.7000	0.6600	5.0000	7.6000	95.7000	0.6600	5.0000	7.6000	95.7000	0.6600	5.0000	7.6000	95.7000	0.6600	5.0000												
12	9	1980	1400	9	15.0000	11.0000	8.4000	45.0000	21.5000	7.7000	93.1000	0.7700	5.0000	7.7000	93.1000	0.7700	5.0000	7.7000	93.1000	0.7700	5.0000	7.7000	93.1000	0.7700	5.0000	7.7000	93.1000	0.7700	5.0000	7.7000	93.1000	0.7700	5.0000												
19	9	1980	1430	9	7.0000	9.5000	8.3000	35.0000	22.6000	7.6000	88.9000	0.5900	5.0000	7.6000	88.9000	0.5900	5.0000	7.6000	88.9000	0.5900	5.0000	7.6000	88.9000	0.5900	5.0000	7.6000	88.9000	0.5900	5.0000	7.6000	88.9000	0.5900	5.0000												
26	9	1980	1430	9	8.5000	8.5000	8.3000	40.0000	20.5000	7.7000	94.5000	0.7600	5.0000	7.7000	94.5000	0.7600	5.0000	7.7000	94.5000	0.7600	5.0000	7.7000	94.5000	0.7600	5.0000	7.7000	94.5000	0.7600	5.0000	7.7000	94.5000	0.7600	5.0000												
3	10	1980	1500	9	10.0000	7.5000	8.0000	30.0000	22.3000	8.1000	90.6000	2.0000	10.0000	8.1000	90.6000	2.0000	10.0000	8.1000	90.6000	2.0000	10.0000	8.1000	90.6000	2.0000	10.0000	8.1000	90.6000	2.0000	10.0000	8.1000	90.6000	2.0000	10.0000												
10	10	1980	1730	9	8.0000	6.0000	8.3000	45.0000	21.4000	8.0000	109.0000	7.0000	15.0000	8.0000	109.0000	7.0000	15.0000	8.0000	109.0000	7.0000	15.0000	8.0000	109.0000	7.0000	15.0000	8.0000	109.0000	7.0000	15.0000	8.0000	109.0000	7.0000	15.0000												
18	10	1980	1400	9	7.0000	6.0000	8.4000	30.0000	22.1000	7.8000	101.0000	0.5500	5.0000	7.8000	101.0000	0.5500	5.0000	7.8000	101.0000	0.5500	5.0000	7.8000	101.0000	0.5500	5.0000	7.8000	101.0000	0.5500	5.0000	7.8000	101.0000	0.5500	5.0000												
24	10	1980	1500	9	5.0000	5.0000	8.4000	35.0000	19.2000	7.7000	91.5000	0.3500	5.0000	7.7000	91.5000	0.3500	5.0000	7.7000	91.5000	0.3500	5.0000	7.7000	91.5000	0.3500	5.0000	7.7000	91.5000	0.3500	5.0000	7.7000	91.5000	0.3500	5.0000												
31	10	1980	1430	9	0.0	3.0000	8.5000	30.0000	21.0000	7.8000	94.0000	0.3100	5.0000	7.8000	94.0000	0.3100	5.0000	7.8000	94.0000	0.3100	5.0000	7.8000	94.0000	0.3100	5.0000	7.8000	94.0000	0.3100	5.0000	7.8000	94.0000	0.3100	5.0000												
7	11	1980	1400	9	4.0000	4.0000	8.1000	58.0000	20.9000	7.8000	95.3000	0.4400	5.0000	7.8000	95.3000	0.4400	5.0000	7.8000	95.3000	0.4400	5.0000	7.8000	95.3000	0.4400	5.0000	7.8000	95.3000	0.4400	5.0000	7.8000	95.3000	0.4400	5.0000												
14	11	1980	1430	8	-3.0000	1.0000	8.1000	60.0000	20.1000	7.7000	98.0000	0.7800	5.0000	7.7000	98.0000	0.7800	5.0000	7.7000	98.0000	0.7800	5.0000	7.7000	98.0000	0.7800	5.0000	7.7000	98.0000	0.7800	5.0000	7.7000	98.0000	0.7800	5.0000												
21	11	1980	1030	8	-14.0000	0.0	8.1000	54.0000	22.3000	7.7000	97.0000	0.5000	5.0000	7.7000	97.0000	0.5000	5.0000	7.7000	97.0000	0.5000	5.0000	7.7000	97.0000	0.5000	5.0000	7.7000	97.0000	0.5000	5.0000	7.7000	97.0000	0.5000	5.0000												
28	11	1980	1400	9	-2.0000	0.0	8.1000	67.0000	21.8000	7.8000	100.0000	0.6000	5.0000	7.8000	100.0000	0.6000	5.0000	7.8000	100.0000	0.6000	5.0000	7.8000	100.0000	0.6000	5.0000	7.8000	100.0000	0.6000	5.0000	7.8000	100.0000	0.6000	5.0000												
5	12	1980	1400	9	-21.0000	0.0	8.2000	64.0000	22.1000	7.8000	76.0000	0.3100	5.0000	7.8000	76.0000	0.3100	5.0000	7.8000	76.0000	0.3100	5.0000	7.8000	76.0000	0.3100	5.0000	7.8000	76.0000	0.3100	5.0000	7.8000	76.0000	0.3100	5.0000												
12	12	1980	1400	9	-30.0000	0.0	8.4000	62.0000	21.8000	7.7000	102.0000	0.3300	5.0000	7.7000	102.0000	0.3300	5.0000	7.7000	102.0000	0.3300	5.0000	7.7000	102.0000	0.3300	5.0000	7.7000	102.0000	0.3300	5.0000	7.7000	102.0000	0.3300	5.0000												
20	12	1980	1430	8	-38.0000	0.0	8.0000	65.0000	20.4000	7.6000	98.0000	0.5000	5.0000	7.6000	98.0000	0.5000	5.0000	7.6000	98.0000	0.5000	5.0000	7.6000	98.0000	0.5000	5.0000	7.6000	98.0000	0.5000	5.0000	7.6000	98.0000	0.5000	5.0000												
29	12	1980	1400	9	-27.0000	0.0	8.3000	59.0000	20.4000	7.7000	95.3000	0.2700	5.0000	7.7000	95.3000	0.2700	5.0000	7.7000	95.3000	0.2700	5.0000	7.7000	95.3000	0.2700	5.0000	7.7000	95.3000	0.2700	5.0000	7.7000	95.3000	0.2700	5.0000												
2	1	1981	1430	8	-2.0000	0.0	8.2000	52.0000	18.5000	7.7000	98.0000	0.1800	5.0000	7.7000	98.0000	0.1800	5.0000	7.7000	98.0000	0.1800	5.0000	7.7000	98.0000	0.1800	5.0000	7.7000	98.0000	0.1800	5.0000	7.7000	98.0000	0.1800	5.0000												
9	1	1981	1430	9	-8.0000	0.0	8.3000	56.0000	20.4000	6.9000	100.0000	0.1600	5.0000	6.9000	100.0000	0.1600	5.0000	6.9000	100.0000	0.1600	5.0000	6.9000	100.0000	0.1600	5.0000	6.9000	100.0000	0.1600	5.0000	6.9000	100.0000	0.1600	5.0000												
16	1	1981	1530	9	3.0000	1.0000	7.9000	62.0000	19.6000	6.5000	98.0000	0.1800	5.0000	6.5000	98.0000	0.1800	5.0000	6.5000	98.0000	0.1800	5.0000	6.5000	98.0000	0.1800	5.0000	6.5000	98.0000	0.1800	5.0000	6.5000	98.0000	0.1800	5.0000												
24	1	1981	1400	9	-24.0000	0.0	8.3000	56.0000	20.1000	7.4000	97.0000	0.2400	5.0000	7.4000	97.0000	0.2400	5.0000	7.4000	97.0000	0.2400	5.0000	7.4000	97.0000	0.2400	5.0000	7.4000	97.000																		

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER QOYT09AB0006

REPORT
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
19	6	1981	1440	9	15.5000	12.5000	8.3000	68.0000	21.7000	7.7000	94.9000	0.5500	5.0000	0.0
3	7	1981	1100	9	12.0000	10.5000	8.0000	59.0000	19.0000	7.7000	97.4000	1.0000	10.0000	0.0
10	7	1981	1530	9	21.0000	15.0000	8.4000	69.0000	18.4000	7.8000	95.0000	0.7000	5.0000	0.0
17	7	1981	1530	9	24.5000	15.0000	8.0000	69.0000	22.6000	8.0000	93.8000	1.2000	5.0000	0.0
23	7	1981	1530	9	22.0000	16.5000	7.9000	100.0000	20.0000	7.8000	89.1000	0.3500	5.0000	0.0
31	7	1981	1530	9	21.0000	17.0000	7.8000	71.0000	17.4000	7.8000	89.9000	0.4000	5.0000	0.0
7	8	1981	1530	9	22.0000	16.8000	7.7000	61.0000	19.0000	7.8000	89.6000	0.2900	10.0000	0.0
14	8	1981	1530	9	13.0000	11.5000	7.5000	55.0000	19.5000	7.9000	88.0000	0.5000	5.0000	0.0
21	8	1981	1130	9	10.5000	12.5000	7.5000	41.0000	19.1000	7.8000	92.0000	0.8000	5.0000	0.0
28	8	1981	1530	9	20.5000	16.0000	8.3000	60.0000	23.2000	7.5000	89.1000	0.4000	10.0000	0.0
4	9	1981	1530	9	15.5000	13.0000	8.0000	45.0000	24.1000	7.2000	87.5000	0.5000	5.0000	0.0
11	9	1981	1405	9	14.5000	11.5000	6.2000	53.0000	26.3000	7.5000	89.9000	1.1000	5.0000	0.0
18	9	1981	1100	9	13.0000	11.0000	7.4000	50.0000	21.8000	7.2000	90.4000	0.4000	5.0000	0.0
25	9	1981	1410	9	10.0000	10.0000	7.5000	53.0000	21.9000	7.5000	89.2000	0.9000	5.0000	0.0
2	10	1981	1412	9	4.5000	6.5000	7.6000	50.0000	19.3000	7.7000	91.3000	0.3000	5.0000	0.0
9	10	1981	1340	9	6.0000	7.5000	7.9000	53.0000	21.6000	7.6000	91.8000	0.5000	10.0000	0.0
16	10	1981	1415	9	8.5000	7.0000	7.0000	54.0000	21.1000	7.7000	92.8000	0.7000	10.0000	0.0
23	10	1981	1420	9	4.0000	6.5000	7.9000	180.0000	21.2000	7.6000	93.7000	0.3800	10.0000	0.0
30	10	1981	1415	9	4.0000	4.0000	7.9000	50.0000	21.9000	7.7000	92.4000	0.5300	5.0000	0.0
6	11	1981	1400	9	-7.0000	3.0000	7.9000	48.0000	22.2000	7.6000	92.9000	0.2300	10.0000	0.0
13	11	1981	1040	9	-8.0000	1.5000	7.9000	49.0000	20.3000	7.8000	95.4000	0.3700	5.0000	0.0
20	11	1981	1415	9	-7.0000	1.5000	7.9000	48.0000	21.1000	7.7000	100.0000	0.5000	5.0000	0.0
27	11	1981	1415	9	2.0000	2.0000	8.1000	50.0000	20.2000	7.7000	94.5000	0.3200	5.0000	0.0
4	12	1981	1400	9	-11.0000	3.0000	7.4000	50.0000	20.2000	7.7000	94.5000	0.3200	5.0000	0.0
11	12	1981	1335	9	-16.0000	1.0000	7.4000	52.0000	22.6000	7.9000	99.6000	0.3300	5.0000	0.0
18	12	1981	1425	9	2.0000	1.5000	7.1000	49.0000	19.5000	7.6000	93.3000	0.4200	5.0000	0.0
24	12	1981	1115	9	-18.0000	0.5000	6.6000	50.0000	21.8000	6.7000	99.0000	0.2800	5.0000	0.0
31	12	1981	1130	9	-46.0000	0.0	7.7000	50.0000	14.4000	7.5000	101.0000	0.3500	5.0000	0.0
8	1	1982	1440	9	-50.0000	0.0	8.2000	50.0000	18.8000	7.5000	93.5000	0.4500	5.0000	0.0
15	1	1982	1055	9	-37.0000	0.5000	7.1000	50.0000	18.3000	7.5000	92.4000	0.2800	5.0000	0.0
22	1	1982	1415	9	-32.0000	0.5000	0.0	48.0000	24.2000	7.8000	96.0000	0.6500	5.0000	0.0
29	1	1982	1400	9	-11.0000	1.2000	7.4000	50.0000	21.8000	7.6000	90.4000	0.2700	5.0000	0.0
5	2	1982	1455	9	0.0	2.0000	7.5000	51.0000	21.3000	8.0000	93.5000	0.2500	5.0000	0.0
12	2	1982	1420	9	-19.0000	0.5000	7.4000	48.0000	20.9000	7.4000	90.0000	0.4200	5.0000	0.0
19	2	1982	1510	9	-13.0000	2.0000	7.4000	53.0000	23.1000	7.8000	91.3000	0.4300	5.0000	0.0
25	2	1982	1420	9	-21.0000	0.5000	7.4000	49.0000	22.1000	7.7000	92.0000	0.3000	5.0000	0.0
5	3	1982	1420	9	-10.0000	2.0000	7.5000	52.0000	21.9000	7.7000	91.0000	0.2300	5.0000	0.0
12	3	1982	1445	9	-5.0000	1.8000	7.5000	52.0000	23.4000	7.8000	91.0000	0.3500	5.0000	0.0
19	3	1982	1450	9	0.0	2.0000	7.5000	50.0000	23.8000	7.8000	90.1000	0.3000	5.0000	0.0
26	3	1982	1428	9	2.5000	0.8000	7.4000	45.0000	24.2000	7.6000	100.0000	0.3100	5.0000	0.0
2	4	1982	1423	9	-4.0000	1.2000	7.3000	49.0000	23.8000	7.5000	95.2000	0.2200	5.0000	0.0
8	4	1982	1410	9	6.0000	3.0000	7.2000	51.0000	23.8000	7.8000	94.2000	0.1400	5.0000	0.0
16	4	1982	1424	9	6.0000	3.3000	7.2000	50.0000	24.2000	7.5000	95.5000	0.2100	5.0000	0.0
22	4	1982	1500	9	7.0000	4.0000	7.2000	52.0000	24.4000	7.7000	93.1000	0.2900	5.0000	0.0
30	4	1982	1525	9	5.0000	4.0000	7.4000	0.0	0.0	0.0	0.0	2.1000	5.0000	0.0
7	5	1982	1400	9	0.0	5.0000	7.6000	52.0000	20.2000	7.8000	92.3000	0.8000	5.0000	0.0
14	5	1982	1409	9	5.0000	5.0000	7.2000	57.0000	22.2000	7.8000	90.8000	1.6000	5.0000	0.0
21	5	1982	1400	9	5.0000	0.0	7.5000	65.0000	24.7000	7.6000	95.0000	1.7000	10.0000	0.0
28	5	1982	1420	9	13.0000	10.0000	7.9000	70.0000	24.4000	7.6000	99.0000	7.5000	10.0000	0.0
4	6	1982	1425	9	13.0000	8.5000	7.7000	65.0000	24.7000	7.7000	99.0000	18.0000	35.0000	0.0

WATER QUALITY BRANCH MONITORING PROGRAM DATA				REPORT				PACIFIC AND YUKON REGION				YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE							
REPORT FOR STATION NUMBER				O0YT08AB0006															
DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP					
11	6	1982	1020	9	15.0000	11.0000	7.9000	55.0000	20.1000	7.6000	328.0000	8.3000	15.0000	0.0					
25	6	1982	1405	9	25.0000	15.5000	0.0	70.0000	20.2000	7.7000	90.0000	1.7000	5.0000	0.0					
2	7	1982	1444	9	26.0000	17.0000	7.1000	60.0000	23.1000	7.8000	88.2000	1.1000	5.0000	0.0					
6	7	1982	1030	5	0.0	10.0000	8.0000	0.0	0.0	8.0000	84.2000	1.6000	5.0000	0.0					
6	7	1982	1039	5	0.0	10.0000	8.0000	0.0	0.0	7.7000	87.2000	1.5000	5.0000	0.0					
9	7	1982	1430	9	18.0000	4.0000	0.0	0.0	23.4000	7.8000	86.7000	2.6000	5.0000	0.0					
16	7	1982	1420	9	13.0000	15.0000	8.1000	0.0	20.5000	7.9000	87.6000	2.1000	5.0000	0.0					
23	7	1982	1410	9	18.5000	15.5000	7.9000	0.0	20.6000	7.7500	88.4000	2.0000	5.0000	0.0					
30	7	1982	1430	9	25.0000	17.5000	7.7000	0.0	20.1000	7.4000	93.7000	1.4000	10.0000	0.0					
6	8	1982	1408	9	11.0000	11.0000	8.0000	0.0	22.5000	7.8000	84.0000	1.1000	10.0000	0.0					
13	8	1982	0	9	0.0	0.0	0.0	0.0	21.9000	7.8900	86.0000	0.9900	7.0000	0.0					
20	8	1982	1430	9	0.0	0.0	0.0	0.0	20.7000	7.7900	87.0000	1.2000	10.0000	0.0					
27	8	1982	1445	9	10.0000	3.5000	0.0	0.0	21.3000	7.8000	87.1000	1.1500	7.0000	0.0					
3	9	1982	1330	9	10.0000	9.0000	7.8000	0.0	21.8000	7.8900	86.2000	0.7900	7.0000	0.0					
10	9	1982	1440	9	10.0000	8.0000	7.7000	0.0	21.8000	7.7000	85.1000	1.0000	8.0000	0.0					
17	9	1982	1600	9	12.0000	8.0000	7.6000	0.0	21.5000	7.7200	84.5000	0.9000	5.0000	0.0					
24	9	1982	1540	9	9.5000	10.5000	7.7000	0.0	21.6000	7.7200	86.5000	0.8000	5.0000	0.0					
1	10	1982	1400	9	5.0000	11.0000	7.6000	0.0	21.9000	8.0800	86.5000	0.9000	5.0000	0.0					
8	10	1982	1425	9	8.0000	8.0000	7.7000	0.0	22.3000	7.6000	87.5000	0.2000	5.0000	0.0					
15	10	1982	1330	9	2.0000	6.0000	7.6000	0.0	23.0000	7.7000	79.0000	0.5100	8.0000	0.0					
22	10	1982	1437	9	-3.1000	4.7000	7.7000	0.0	7.9000	7.5000	95.2000	0.2700	3.0000	0.0					
29	10	1982	1430	9	3.3000	1.5000	7.7000	0.0	20.6000	7.8000	87.3000	0.3100	3.0000	0.0					
5	11	1982	1425	9	-7.6000	1.3000	7.7000	52.0000	21.5000	7.9000	93.1000	0.2500	7.0000	0.0					
12	11	1982	1347	9	-7.6000	0.1000	7.8000	48.0000	21.4000	7.7000	92.2000	0.2600	7.0000	0.0					
19	11	1982	1505	9	-24.1000	0.3000	7.6000	49.0000	21.7000	7.8000	94.9000	0.3300	7.0000	0.0					
26	11	1982	1415	9	-9.0000	0.8000	7.6000	52.0000	21.8000	7.7500	95.4000	0.3500	5.0000	0.0					
3	12	1982	1414	9	-17.0000	0.5000	7.6000	53.0000	21.8000	7.8500	97.9000	0.3500	5.0000	0.0					
10	12	1982	1352	9	-13.0000	1.6000	7.5000	48.0000	22.1000	7.7000	98.4000	0.1400	5.0000	0.0					
17	12	1982	1403	9	-16.0000	0.1000	7.6000	55.0000	19.4000	7.8500	99.0000	0.1400	5.0000	0.0					
24	12	1982	942	9	-18.0000	0.2000	7.5000	50.0000	20.1000	7.7500	98.1000	0.1800	5.0000	0.0					
31	12	1982	1048	9	-4.0000	0.7000	7.5000	50.0000	20.2000	7.8500	94.5000	0.2800	5.0000	0.0					
7	1	1983	1522	9	-21.0000	0.1000	7.6000	51.0000	20.2000	7.8500	96.7000	0.1700	5.0000	0.0					
14	1	1983	1115	9	-26.0000	0.1000	7.4000	50.0000	20.8000	7.8000	94.5000	0.1300	5.0000	0.0					
21	1	1983	1443	9	-23.0000	0.1000	7.5000	51.0000	20.8000	7.9000	94.5000	0.1600	5.0000	0.0					
28	1	1983	1343	9	-12.0000	0.1000	7.3000	53.0000	21.3000	7.7000	94.6000	0.1500	5.0000	0.0					
4	2	1983	1350	9	-10.0000	0.2000	7.7000	60.0000	21.8000	7.7000	96.6000	0.1700	5.0000	0.0					
11	2	1983	1005	9	-20.0000	0.1000	7.3000	52.0000	20.7000	7.6000	93.6000	0.1500	5.0000	0.0					
18	2	1983	1525	9	-16.0000	0.1000	7.5000	51.0000	22.5000	7.8000	92.4000	0.1500	5.0000	0.0					
25	2	1983	1110	9	-10.0000	0.3000	7.4000	55.0000	21.8000	7.4000	93.6000	0.1800	5.0000	0.0					
4	3	1983	1007	9	-20.0000	0.2000	7.5000	48.0000	23.1000	7.7000	93.4000	0.1300	5.0000	0.0					
11	3	1983	1041	9	3.0000	0.7000	7.3000	49.0000	21.1000	7.8500	91.7000	0.2700	5.0000	0.0					
18	3	1983	1109	9	0.0	1.4000	7.5000	55.0000	20.0000	7.8000	92.7000	0.2200	5.0000	0.0					
25	3	1983	1343	9	-9.0000	0.5000	7.4000	51.0000	20.0000	7.8000	92.7000	0.2300	5.0000	0.0					
31	3	1983	1100	9	-1.0000	2.3000	7.4000	61.0000	22.0000	7.8000	92.2000	0.1500	5.0000	0.0					
8	4	1983	1410	9	2.0000	2.3000	7.0000	52.0000	21.9000	7.8000	92.9000	1.1000	5.0000	0.0					
15	4	1983	1350	9	7.0000	3.2000	7.5000	55.0000	21.3000	7.9000	92.5000	0.9000	5.0000	0.0					
22	4	1983	1327	9	7.0000	3.7000	7.4000	58.0000	20.7000	7.8500	95.2000	4.2000	5.0000	0.0					
29	4	1983	1413	9	10.0000	5.6000	0.0	0.0	23.8000	7.7000	101.0000	1.9000	5.0000	0.0					
6	5	1983	1430	9	14.0000	6.0000	7.3000	62.0000	20.6000	7.8000	112.0000	1.7000	5.0000	0.0					
13	5	1983	1420	9	10.0000	7.0000	7.3000	64.0000	22.3000	7.7000	102.0000	3.8000	15.0000	0.0					

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AB0006

PACIFIC AND YUKON REGION
 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
20	5	1983	1820	9	13.0000	6.2000	7.7000	67.0000	22.7000	7.8000	97.3000	0.8000	10.0000	0.0
27	5	1983	1420	9	8.0000	6.6000	7.7000	58.0000	21.1000	7.7000	94.4000	1.5000	5.0000	0.0
3	6	1983	1504	9	13.7000	10.4000	7.5000	75.0000	21.8000	7.7000	94.7000	6.8000	5.0000	0.0
10	6	1983	1520	9	12.0000	11.2000	7.6000	69.0000	20.6000	7.7000	92.7000	0.3600	5.0000	0.0
17	6	1983	1405	9	18.0000	12.0000	7.6000	70.0000	22.0000	7.7000	91.2000	0.2600	5.0000	0.0
24	6	1983	1345	9	29.0000	17.0000	7.7000	104.0000	21.3000	7.8000	91.4000	0.2700	5.0000	0.0
30	6	1983	1430	9	18.0000	16.6000	7.0000	81.0000	19.2000	7.6000	91.0000	1.2000	5.0000	0.0
8	7	1983	1415	9	25.0000	18.0000	7.9000	71.0000	22.2000	7.6500	89.8000	0.5200	5.0000	0.0
15	7	1983	1445	9	19.0000	17.0000	8.0000	68.0000	22.6000	7.4500	89.1000	0.2700	5.0000	0.0
22	7	1983	1450	9	21.0000	15.0000	7.6000	75.0000	19.6000	7.7000	85.3000	0.5100	5.0000	0.0
29	7	1983	1416	9	19.3000	15.8000	7.6000	77.0000	20.8000	7.8000	88.0000	0.4100	5.0000	0.0
5	8	1983	1445	9	18.0000	0.0	7.6000	78.0000	22.1000	7.7000	86.8000	0.6000	5.0000	0.0
12	8	1983	1445	9	11.0000	14.0000	8.1000	69.0000	21.6000	7.2000	85.4000	0.5700	5.0000	0.0
19	8	1983	1425	9	16.0000	15.0000	0.0	67.0000	23.6000	7.6000	87.4000	0.4500	5.0000	0.0
26	8	1983	1503	9	14.7000	12.3000	7.7000	63.0000	23.1000	7.0000	83.0000	0.5400	5.0000	0.0
2	9	1983	1415	9	10.0000	12.4000	7.7000	68.0000	23.0000	7.5500	89.4000	0.4800	5.0000	0.0
9	9	1983	1630	9	11.0000	11.0000	7.1000	60.0000	23.7000	7.5000	90.3000	0.4600	5.0000	0.0
16	9	1983	1415	9	9.0000	9.6000	7.4000	62.0000	21.5000	7.7000	88.8000	0.3200	5.0000	0.0
23	9	1983	1420	9	11.0000	9.6000	7.1000	70.0000	23.1000	7.7000	90.3000	0.3600	5.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0YTO9A00006

REPORT
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	S04
11	7	1980	1330	9	36.5000	44.2000	13.3000	2.7000	0.6000	1.0000	0.2000	0.1090	2.9000	4.8000
18	7	1980	1630	9	38.0000	40.8000	13.2000	1.9000	0.5000	1.0000	0.2000	0.1140	2.9000	4.9000
25	7	1980	1310	9	38.0000	41.8000	12.8000	2.4000	0.5000	1.0000	0.2000	0.1000	2.9000	5.5000
1	8	1980	1345	9	36.3000	41.0000	13.7000	1.6000	0.7000	1.0000	0.2000	0.1020	3.9000	4.9000
8	8	1980	1400	9	37.1000	42.2000	12.6000	2.6000	0.5000	0.7000	2.3000	0.0930	2.7000	5.5000
15	8	1980	1330	9	37.1000	42.2000	12.9000	2.4000	0.7000	0.7000	0.2000	0.0960	2.7000	5.5000
22	8	1980	1400	9	37.2000	42.0000	13.1000	2.3000	0.5000	0.7000	0.4000	0.0940	2.8000	5.0000
29	8	1980	1400	9	38.0000	40.2000	13.0000	1.9000	0.7000	1.2000	0.2000	0.1020	2.7000	5.0000
5	9	1980	1400	9	38.5000	44.0000	13.0000	2.8000	0.6000	0.9000	0.3000	0.0990	2.9000	5.9000
12	9	1980	1400	9	38.8000	43.0000	12.8000	2.7000	0.6000	1.1000	0.4000	0.0950	2.8000	4.5000
19	9	1980	1430	9	37.1000	44.0000	13.1000	2.7000	0.6000	1.0000	0.3000	0.0800	2.8000	5.4000
26	9	1980	1430	9	40.5000	44.2000	13.2000	2.7000	0.6000	1.0000	0.3000	0.0700	3.0000	5.4000
3	10	1980	1500	9	40.0000	44.0000	13.4000	2.6000	0.6000	1.0000	0.2500	0.0500	3.1000	5.7000
10	10	1980	1730	9	42.5000	46.2000	4.1000	8.7000	0.6000	0.9000	0.2000	0.0800	3.1000	5.5000
18	10	1980	1400	9	40.8000	43.4000	12.8000	2.8000	1.1000	0.9000	0.3000	0.0800	3.0000	6.1000
24	10	1980	1500	9	39.8000	43.4000	14.2000	1.9000	0.7000	1.0000	0.3000	0.0800	2.9000	5.5000
31	10	1980	1430	9	38.6000	42.0000	12.6000	2.6000	0.7000	0.9000	0.3000	0.0800	2.9000	5.9000
7	11	1980	1400	9	39.4000	42.2000	12.8000	2.5000	0.6000	0.9000	0.3000	0.0800	2.9000	6.1000
14	11	1980	1430	9	41.1000	46.0000	13.7000	2.9000	0.7000	1.1000	0.3000	0.1000	3.1000	8.0000
21	11	1980	1030	9	39.4000	44.7000	13.1000	2.8000	0.6000	1.2000	0.4000	0.0100	3.0000	5.7000
28	11	1980	1400	9	44.2000	47.8000	14.2000	3.0000	0.6000	1.1000	0.3000	0.0600	3.2000	5.9000
5	12	1980	1400	9	33.2000	39.2000	12.2000	2.1000	0.4000	0.7000	0.3000	0.1000	3.2000	3.9000
12	12	1980	1400	9	32.0000	35.1000	11.6000	1.5000	0.5000	0.8000	0.2000	0.0700	2.4000	3.6000
20	12	1980	1430	9	44.3000	47.9000	15.0000	2.5000	0.6000	1.1000	0.3000	0.0900	3.3000	6.3000
28	12	1980	1400	9	42.6000	46.4000	14.2000	2.7000	0.5000	1.1000	0.2000	0.0900	3.2000	6.0000
2	1	1981	1430	9	42.1000	48.5000	14.3000	3.1000	0.5000	1.1000	0.2000	0.0900	3.2000	6.1000
8	1	1981	1430	9	43.0000	49.5000	14.9000	3.0000	0.7000	1.1000	0.2000	0.0500	3.1000	6.1000
16	1	1981	1530	9	41.4000	48.3000	14.3000	3.3000	0.6000	1.0000	0.2000	0.0800	3.1000	6.1000
24	1	1981	1400	9	42.7000	49.1000	14.2000	3.3000	0.5000	1.1000	0.2000	0.0700	3.1000	6.2000
30	1	1981	1430	9	42.6000	48.9000	14.7000	3.0000	0.7000	1.1000	0.2000	0.0900	3.0000	5.5000
6	2	1981	1345	9	40.8000	48.8000	13.7000	3.4000	0.6000	1.1000	0.3000	0.0900	3.0000	5.8000
13	2	1981	1400	9	41.7000	48.6000	13.9000	3.4000	0.6000	1.1000	0.2000	0.0800	3.1000	5.5000
20	2	1981	1400	9	43.1000	49.3000	14.5000	3.2000	0.6000	1.1000	0.2000	0.0800	3.1000	5.3000
27	2	1981	1400	9	43.7000	46.8000	14.3000	2.7000	0.6000	1.1000	0.2000	0.0800	3.2000	5.3000
6	3	1981	1430	9	41.6000	50.0000	14.5000	2.3000	0.6000	1.1000	0.2000	0.0800	3.1000	5.6000
13	3	1981	1430	9	42.1000	46.1000	14.2000	2.6000	0.7000	1.1000	0.2000	0.0800	3.0000	5.5000
20	3	1981	1445	9	41.6000	44.9000	14.5000	2.1000	0.6000	1.1000	0.2000	0.0800	3.1000	5.6000
27	3	1981	1400	9	42.1000	50.2000	15.0000	3.1000	0.6000	1.1000	0.2000	0.0800	3.0000	5.7000
3	4	1981	1430	9	42.1000	47.2000	14.2000	2.9000	0.5000	1.1000	0.2000	0.0800	3.0000	5.5000
10	4	1981	1400	9	42.0000	48.8000	14.3000	3.2000	0.5000	1.0000	0.2000	0.0900	3.0000	5.5000
16	4	1981	1500	9	41.6000	48.6000	14.2000	3.2000	0.6000	1.0000	0.2000	0.0900	3.0000	5.5000
24	4	1981	1430	9	40.9000	45.3000	14.3000	2.3000	0.7000	1.1000	0.2000	0.0900	3.0000	6.1000
1	5	1981	1430	9	42.2000	46.7000	14.4000	2.3000	0.6000	1.1000	0.3000	0.1000	3.1000	5.3000
8	5	1981	1430	9	44.7000	47.0000	14.7000	2.5000	0.6000	1.2000	0.3000	0.0800	3.2000	5.0000
15	5	1981	1430	9	45.4000	48.8000	15.0000	2.8000	0.8000	1.2000	0.2000	0.0800	3.6000	5.2000
22	5	1981	1430	9	43.0000	46.1000	14.3000	2.5000	0.6000	1.1000	0.3000	0.0800	3.5000	5.3000
26	5	1981	1530	9	39.3000	43.7000	9.8000	4.7000	0.4000	1.0000	0.2000	0.1000	3.0000	5.3000
28	5	1981	1530	9	41.5000	44.9000	13.7000	2.6000	0.5000	0.9000	0.2000	0.0800	3.0000	5.3000
5	6	1981	1414	9	41.5000	44.9000	13.8000	2.6000	0.5000	1.0000	0.3000	0.0900	3.1000	4.8000
12	6	1981	1430	9	40.2000	44.5000	13.6000	2.6000	0.6000	1.1000	0.2000	0.0800	3.0000	4.7000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
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PACIFIC AND YUKON REGION
 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	S102	SO4
19	6	1981	1440	9	40.5000	43.9000	13.5000	2.4000	0.6000	1.3000	0.2000	0.0900	3.0000	4.8000
3	7	1981	1100	9	39.0000	45.0000	13.8000	2.6000	0.5000	1.2000	0.5000	0.1000	3.1000	4.8000
10	7	1981	1530	9	38.3000	44.1000	13.1000	2.8000	0.5000	1.0000	0.2000	0.1000	3.1000	5.3000
17	7	1981	1530	9	38.8000	42.9000	13.1000	2.5000	0.5000	1.0000	0.2000	0.1000	3.0000	4.2000
23	7	1981	1530	9	37.5000	42.9000	12.7000	2.7000	0.6000	1.0000	0.2000	0.1000	2.8000	5.1000
31	7	1981	1530	9	34.8000	41.7000	11.0000	3.5000	0.5000	1.0000	0.2000	0.1100	3.0000	5.3000
7	8	1981	1530	9	37.2000	41.7000	11.0000	3.5000	0.6000	1.1000	0.2000	0.1100	2.9000	5.5000
14	8	1981	1530	9	37.2000	38.7000	11.0000	3.0000	0.5000	1.1000	0.2000	0.0700	2.9000	5.3000
21	8	1981	1130	9	31.0000	38.7000	11.0000	3.0000	0.4000	1.1000	0.2000	0.0900	2.8000	5.4000
28	8	1981	1530	9	37.2000	47.6000	11.0000	4.9000	0.6000	1.1000	0.2000	0.1000	2.8000	5.1000
4	9	1981	1530	9	37.2000	47.6000	11.0000	4.9000	0.5000	1.0000	0.2000	0.0800	2.8000	5.1000
11	9	1981	1405	9	37.2000	47.6000	11.0000	5.9000	0.7000	1.0000	0.2000	0.0900	2.8000	5.2000
18	9	1981	1100	9	37.2000	39.7000	11.0000	3.0000	0.5000	1.0000	0.3000	0.0900	2.8000	5.1000
25	9	1981	1410	9	37.2000	43.0000	11.0000	3.8000	0.5000	1.0000	0.2000	0.0800	2.8000	5.2000
2	10	1981	1412	9	35.2000	43.7000	11.0000	3.9000	0.5000	1.0000	0.2000	0.0700	2.9000	5.6000
9	10	1981	1340	9	37.2000	47.6000	12.6000	2.9000	0.6000	1.0000	0.2000	0.0900	2.8000	5.6000
16	10	1981	1415	9	40.5000	43.6000	12.6000	2.9000	0.7000	1.1000	0.2000	0.0900	2.9000	5.4000
23	10	1981	1420	9	41.2000	45.7000	14.1000	2.5000	0.5000	1.1000	0.2000	0.0500	2.8000	5.5000
30	10	1981	1415	9	41.4000	49.6000	14.9000	3.0000	0.5000	1.0000	0.2000	1.0000	2.8000	5.5000
6	11	1981	1415	9	38.3000	49.6000	14.1000	3.5000	0.6000	1.0000	0.3000	0.9700	2.8000	5.3000
13	11	1981	1040	9	36.7000	47.3000	13.4000	3.4000	0.5000	1.0000	0.2000	1.2500	2.4000	5.4000
20	11	1981	1415	9	38.7000	49.6000	12.6000	4.4000	0.6000	1.0000	0.2000	1.4000	3.0000	5.3000
27	11	1981	1415	9	42.8000	51.6000	14.2000	3.9000	0.6000	1.1000	0.2000	1.5500	3.2000	5.3000
4	12	1981	1400	9	37.7000	48.0000	13.4000	3.5000	0.9000	1.1000	0.2000	0.9600	3.2000	5.6000
11	12	1981	1335	9	44.8000	51.6000	14.1000	4.0000	0.6000	1.0000	0.3000	0.8800	3.2000	5.7000
18	12	1981	1425	9	40.6000	47.6000	13.7000	3.3000	0.7000	1.1000	0.3000	0.1500	3.2000	6.1000
24	12	1981	1115	9	42.6000	51.6000	14.1000	4.0000	0.7000	1.1000	0.2000	0.1200	3.2000	5.8000
31	12	1981	1130	9	42.5000	50.4000	14.0000	3.8000	0.6000	1.0000	0.2000	0.1100	3.2000	5.8000
8	1	1982	1440	9	43.7000	49.6000	13.9000	3.6100	0.8000	1.4000	0.3000	0.9000	3.3000	6.0000
15	1	1982	1055	9	44.5000	51.6000	14.1000	4.0000	0.6000	1.1000	0.2000	1.0000	3.3000	6.1000
22	1	1982	1415	9	42.5000	50.8000	14.1000	3.8000	0.7000	1.1000	0.2000	0.6500	3.2000	6.2000
29	1	1982	1400	9	42.1000	48.5000	14.5000	3.0000	0.7000	1.1000	0.2000	0.8800	3.1000	6.3000
5	2	1982	1455	9	41.3000	48.9000	13.2000	3.9000	0.6000	1.0000	0.2000	0.9000	3.1000	6.5000
12	2	1982	1420	9	41.9000	48.5000	12.7000	4.1000	0.7000	1.1000	0.2000	0.7900	3.2000	6.4000
19	2	1982	1510	9	41.9000	49.5000	13.3000	3.7000	0.6000	1.0000	0.2000	0.8600	3.2000	6.3000
25	2	1982	1420	9	42.4000	49.7000	13.8000	3.7000	0.6000	1.1000	0.2000	1.0000	3.3000	6.5000
5	3	1982	1420	9	41.8000	47.7000	13.3000	3.5000	0.5000	1.0000	0.2000	1.0300	3.2000	5.5000
12	3	1982	1445	9	42.2000	48.5000	14.9000	2.7000	0.5000	1.1000	0.3000	1.0000	3.1000	5.5000
19	3	1982	1450	9	41.5000	48.5000	13.5000	3.6000	0.7000	1.1000	0.2000	1.0000	3.2000	5.7000
26	3	1982	1428	9	40.8000	46.0000	10.8000	4.6000	0.7000	1.1000	0.2000	0.0880	3.2000	5.3000
2	4	1982	1423	9	40.1000	45.7000	14.5000	2.3000	0.6000	1.0000	0.2000	0.0900	3.1000	5.7000
8	4	1982	1410	9	41.1000	45.1000	14.4000	2.2000	0.5000	1.2000	0.2000	0.0900	3.1000	5.6000
16	4	1982	1424	9	40.2000	46.1000	13.7000	2.9000	0.6000	1.1000	0.2000	0.0900	3.3000	5.5000
22	4	1982	1500	9	40.4000	45.3000	13.5000	2.8000	0.5000	1.0000	0.2000	0.0900	3.1000	5.7000
30	4	1982	1525	9	0.0	0.0	0.0	0.0	0.4000	1.0000	0.3000	0.0810	3.1000	5.5000
7	5	1982	1400	9	41.6800	46.8000	13.9000	2.9400	0.5000	1.1000	0.2000	0.0790	3.2000	5.0000
14	5	1982	1408	9	41.9900	47.7000	13.9000	3.2000	0.6000	1.1000	0.2000	0.0650	3.2000	4.9000
21	5	1982	1400	9	43.3000	48.0000	14.7000	2.7000	0.5000	1.0000	0.2000	0.0530	3.5000	4.9000
28	5	1982	1420	9	45.9000	51.1000	15.0000	3.3000	0.8000	1.2000	0.2000	0.0000	3.7000	4.9000
4	6	1982	1425	9	47.0000	52.0000	15.5000	3.2000	0.8000	1.1000	0.4000	0.0500	3.9000	4.3000

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WATER QUALITY BRANCH MONITORING PROGRAM
REPORT FOR STATION NUMBER 00Y09AB0006

REPORT
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	S04
11	6	1982	1020	9	44.3000	48.9000	14.6000	3.0000	0.5000	1.1000	0.3000	0.0500	3.7000	4.6000
25	6	1982	1405	9	40.1000	44.8000	13.4000	2.8000	0.7000	1.2000	0.2000	0.0510	3.0000	2.5000
2	7	1982	1444	9	38.7000	43.1000	13.1000	0.0	0.4000	1.0000	0.2000	0.0500	2.9000	4.7000
6	7	1982	1030	5	38.8000	44.9000	13.4000	0.0	0.5000	1.1000	0.2000	0.0500	2.8000	5.3000
6	7	1982	1038	5	37.6000	43.5000	13.2000	0.0	0.6000	1.1000	0.3000	0.0500	2.8000	5.2000
9	7	1982	1430	9	37.9000	43.1000	13.2000	2.4600	0.6000	1.1000	0.3000	0.0500	2.9000	4.9000
16	7	1982	1420	9	37.1000	43.1000	13.1000	2.5000	0.6000	1.1000	0.2000	0.0500	2.8000	5.0000
23	7	1982	1410	9	37.8000	41.8000	12.5000	2.5700	0.4000	1.1000	0.2000	0.0500	2.8000	5.1000
30	7	1982	1430	9	38.1000	43.2000	12.9000	2.7000	1.0000	1.5000	0.9000	0.0500	2.8000	5.3000
6	8	1982	1408	9	37.2000	44.0000	13.0000	2.8000	0.7000	1.0000	0.3000	0.0780	2.1000	5.9000
13	8	1982	0	9	37.4000	42.8000	12.7000	2.7000	0.6000	1.0000	0.2000	0.0880	2.9000	5.4000
20	8	1982	1430	9	36.6000	41.7000	13.1000	2.1800	0.6000	1.1000	0.2000	0.0760	2.7000	4.8000
27	8	1982	1445	9	39.8000	44.8000	12.8000	3.1000	0.4000	1.0000	0.2000	0.0500	2.7000	5.1000
3	9	1982	1330	9	37.4000	43.4000	12.9000	2.7000	0.6000	1.0000	0.2000	0.0600	2.7000	5.2000
10	9	1982	1440	8	37.2000	43.4000	12.7000	2.8000	0.6000	0.9000	0.3000	0.0600	2.7000	5.4000
17	9	1982	1600	9	36.8000	41.6000	12.6000	2.5000	0.7000	1.0000	0.2000	0.0800	2.7000	5.5000
24	9	1982	1540	9	37.2000	41.4000	12.9000	2.2000	0.5000	1.0000	0.2000	0.0500	2.7000	4.8000
1	10	1982	1400	9	36.6000	42.0000	8.8000	4.9000	0.6000	1.0000	0.2000	0.0500	2.7000	5.0000
8	10	1982	1425	9	37.8000	42.3000	12.9000	2.4000	0.5000	1.0000	0.2000	0.0670	2.7000	5.8000
15	10	1982	1330	9	38.9000	44.2000	13.6000	2.5000	0.8000	1.1000	0.3000	0.0600	2.8000	5.2000
22	10	1982	1437	9	38.1000	45.0000	13.3000	2.8600	0.6000	1.0000	0.2000	0.0500	2.7000	5.4000
29	10	1982	1430	9	38.4000	43.4000	13.2000	2.8000	1.6000	2.0000	0.6000	0.0500	2.7000	7.1000
5	11	1982	1425	9	41.4000	45.4000	13.5000	2.8000	0.6000	1.1000	0.2000	0.0700	3.0000	4.9000
12	11	1982	1347	9	40.2000	44.6000	13.5000	2.6000	0.5000	1.0000	0.2000	0.0700	2.8000	5.1000
19	11	1982	1505	9	42.0000	47.2000	14.6000	2.6000	0.6000	1.0000	0.2000	0.0700	3.0000	5.1000
26	11	1982	1415	9	41.7000	47.4000	14.3000	2.8000	0.6000	1.1000	0.2000	0.0700	2.9000	5.3000
3	12	1982	1414	9	42.3000	47.4000	14.7000	2.6000	0.6000	1.2000	0.2000	0.0870	3.1000	5.8000
10	12	1982	1352	9	42.5000	47.4000	14.6000	2.7000	0.8000	1.2000	0.2000	0.0870	3.1000	5.5000
17	12	1982	1403	8	42.5000	48.0000	15.1000	2.5000	0.7000	1.1000	0.3000	0.0800	3.1000	5.9000
24	12	1982	942	9	42.3000	47.4000	14.8000	2.5000	0.8000	1.2000	0.3000	0.0880	3.1000	5.6000
31	12	1982	1048	9	41.3000	47.0000	14.6000	2.6000	0.7000	1.1000	0.2000	0.0800	2.9000	5.5000
7	1	1983	1522	9	42.4000	47.0000	14.8000	2.4000	0.7000	1.0000	0.3000	0.0790	3.0000	5.5000
14	1	1983	1115	9	42.1000	47.3000	14.8000	2.5000	0.7000	1.1000	0.2000	0.0800	3.0000	5.5000
21	1	1983	1443	9	41.0000	45.7000	14.3000	2.4000	0.7000	1.0000	0.3000	0.0750	3.0000	5.5000
28	1	1983	1343	9	41.4000	45.9000	14.6000	2.2900	0.6000	1.1000	0.2000	0.0750	3.0000	6.0000
4	2	1983	1350	9	41.5000	47.2000	14.7000	2.5000	0.6000	1.0000	0.2000	0.0820	3.1000	5.7000
11	2	1983	1005	9	39.8000	45.0000	10.3000	4.7000	0.7000	1.0000	0.2000	0.0890	3.0000	5.5000
18	2	1983	1525	9	40.1000	45.4000	14.0000	2.5300	0.6000	0.9000	0.2000	0.0920	3.0000	5.5000
25	2	1983	1110	9	39.4000	45.4000	13.9000	2.6000	0.6000	0.9000	0.2000	0.0860	3.0000	6.0000
4	3	1983	1007	9	40.7000	45.0000	13.9000	2.5000	0.6000	0.9000	0.2000	0.0950	3.0000	5.7000
11	3	1983	1041	9	39.7000	45.1000	13.9000	2.5000	0.7000	1.0000	0.2000	0.0950	3.0000	5.8000
18	3	1983	1109	9	39.9000	44.8000	13.8000	2.5000	0.7000	1.0000	0.2000	0.1330	3.1000	5.7000
25	3	1983	1343	9	40.2000	45.0000	14.0000	2.4000	0.6000	1.0000	0.2000	0.1020	3.1000	5.9000
31	3	1983	1100	9	39.7000	44.7000	13.7000	2.5000	0.6000	1.0000	0.2000	0.1020	3.1000	5.5000
7	4	1983	1410	9	39.7000	44.7000	13.7000	2.5000	0.6000	1.1000	0.2000	0.1020	3.1000	5.6000
15	4	1983	1350	9	40.8000	45.6000	14.0000	2.6000	0.6000	1.0000	0.2000	0.0980	3.2000	5.5000
22	4	1983	1327	9	41.5000	46.3000	14.3000	2.6000	0.7000	1.2000	0.2000	0.0880	3.1000	5.5000
29	4	1983	1413	9	44.9000	47.7000	15.2000	2.4000	0.7000	1.2000	0.2000	0.0830	3.4000	5.4000
6	5	1983	1430	9	43.6000	47.1000	14.8000	3.0000	0.6000	1.1000	0.2000	0.0880	3.3000	5.0000
13	5	1983	1420	9	44.8000	49.1000	14.3000	3.3000	0.7000	1.0000	0.3000	0.1040	3.5000	4.9000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AB0006

REPORT
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
20	5	1983	1820	9	42.1000	45.9000	13.8000	2.8000	0.7000	1.1000	0.2000	0.0850	3.3000	5.2000
27	5	1983	1420	9	41.0000	45.0000	13.6000	2.7000	0.5000	0.9000	0.2000	0.1510	3.1000	5.8000
3	6	1983	1504	9	41.9000	47.4000	13.6000	3.3000	0.6000	1.0000	0.2000	0.0690	3.4000	5.2000
10	6	1983	1520	9	40.8000	44.0000	13.4000	2.6000	0.6000	1.1000	0.2000	0.0750	3.1000	5.2000
17	6	1983	1405	9	40.3000	43.9000	13.0000	2.8000	0.6000	0.9000	0.2000	0.0870	2.9000	5.2000
24	6	1983	1345	9	39.5000	43.7000	13.5000	2.4000	1.4000	1.1000	0.2000	0.0860	2.9000	5.7000
30	6	1983	1430	9	39.2000	43.8000	13.5000	2.5000	0.6000	1.1000	0.2000	0.0810	2.8000	4.9000
8	7	1983	1415	9	38.5000	44.2000	13.5000	2.5000	0.6000	1.0000	0.2000	0.0810	2.8000	5.6000
15	7	1983	1445	9	38.2000	42.8000	13.2000	2.4000	0.5000	1.0000	0.2000	0.1490	4.8000	5.0000
22	7	1983	1450	9	37.5000	43.0000	13.0000	2.6000	0.6000	1.1000	0.2000	0.1100	2.8000	5.2000
29	7	1983	1416	9	37.8000	42.9000	12.9000	2.6000	0.7000	1.0000	0.2000	0.1030	2.6000	5.0000
5	8	1983	1445	9	37.1000	42.0000	13.1000	2.3000	0.5000	1.0000	0.2000	0.1060	2.7000	4.9000
12	8	1983	1445	9	37.2000	42.7000	12.8000	2.6000	0.5000	0.9000	0.2000	0.1310	2.6000	5.3000
19	8	1983	1425	9	36.8000	42.0000	13.1000	2.3000	0.5000	0.8000	0.2000	0.1010	2.7000	5.0000
26	8	1983	1503	9	37.0000	42.4000	13.1000	2.4000	0.5000	0.9000	0.2000	0.1310	2.6000	4.9000
2	9	1983	1415	9	36.5000	41.8000	13.0000	2.3000	0.6000	1.0000	0.2000	0.1450	2.6000	5.3000
9	9	1983	1630	9	37.3000	42.4000	13.4000	2.2000	0.6000	0.9000	0.2000	0.1390	2.7000	5.0000
16	9	1983	1415	9	37.6000	43.0000	13.2000	2.4000	0.6000	0.9000	0.2000	0.0860	2.7000	5.5000
23	9	1983	1420	9	38.2000	44.7000	13.6000	2.6000	0.6000	1.0000	0.3000	0.0910	2.7000	5.0000

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WATER QUALITY BRANCH MONITORING PROGRAM
REPORT FOR STATION NUMBER O0YT08AB0006

REPORT
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

PACIFIC AND YUKON REGION

DD MM YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
11 7 1980	1330	9	0.0030	1.0000	70.0000	1.0000	37.0000	0.0005	0.0001	0.0	0.0	0.0
18 7 1980	1630	9	0.0020	1.0000	60.0000	1.0000	60.0000	0.0005	0.0001	0.0	0.0	0.0
25 7 1980	1310	9	0.0020	3.0000	48.0000	1.0000	43.0000	0.0005	0.0001	0.0	0.0	0.0
1 8 1980	1345	9	0.0020	1.0000	49.0000	1.0000	37.0000	0.0005	0.0001	0.0	0.0	0.0
8 8 1980	1400	9	0.0020	2.0000	65.0000	1.0000	39.0000	0.0004	0.0001	0.0	0.0	0.0
15 8 1980	1330	9	0.0060	1.0000	59.0000	1.0000	42.0000	0.0004	0.0001	0.0	0.0	0.0
22 8 1980	1400	9	0.0020	2.0000	50.0000	1.0000	38.0000	0.0004	0.0001	0.0	0.0	0.0
29 8 1980	1400	9	0.0020	1.0000	56.0000	1.0000	45.0000	0.0004	0.0001	0.0	0.0	0.0
5 9 1980	1400	9	0.0020	1.0000	59.0000	1.0000	50.0000	0.0003	0.0001	0.0	0.0	0.0
12 9 1980	1400	9	0.0310	1.0000	61.0000	1.0000	47.0000	0.0003	0.0001	0.0	0.0	0.0
19 9 1980	1430	9	0.0020	3.0000	76.0000	1.0000	55.0000	0.0004	0.0001	0.0	0.0	0.0
26 9 1980	1430	8	0.0020	1.0000	53.0000	1.0000	37.0000	0.0003	0.0001	0.0	0.0	0.0
3 10 1980	1500	9	0.0020	4.0000	52.0000	3.0000	37.0000	0.0003	0.0001	0.0	0.0	0.0
10 10 1980	1730	9	0.0020	36.0000	58.0000	34.0000	43.0000	0.0005	0.0001	0.0	0.0	0.0
18 10 1980	1400	9	0.0020	4.0000	56.0000	2.0000	37.0000	0.0003	0.0001	0.0	0.0	0.0
24 10 1980	1500	9	0.0020	1.0000	53.0000	1.0000	45.0000	0.0004	0.0001	0.0	0.0	0.0
31 10 1980	1430	9	0.0020	1.0000	94.0000	1.0000	43.0000	0.0003	0.0001	0.0	0.0	0.0
7 11 1980	1400	8	0.0020	1.0000	98.0000	1.0000	45.0000	0.0004	0.0001	0.0	0.0	0.0
14 11 1980	1430	9	0.0030	1.0000	62.0000	1.0000	43.0000	0.0003	0.0001	0.0	0.0	0.0
21 11 1980	1030	9	0.0360	1.0000	43.0000	1.0000	48.0000	0.0004	0.0001	0.0	0.0	0.0
28 11 1980	1400	9	0.0070	1.0000	53.0000	1.0000	43.0000	0.0003	0.0001	0.0	0.0	0.0
5 12 1980	1400	9	0.0090	1.0000	49.0000	1.0000	41.0000	0.0003	0.0001	0.0	0.0	0.0
12 12 1980	1400	9	0.0060	1.0000	74.0000	1.0000	38.0000	0.0002	0.0001	0.0	0.0	0.0
20 12 1980	1430	9	0.0100	2.0000	66.0000	1.0000	55.0000	0.0004	0.0001	0.0	0.0	0.0
28 12 1980	1400	9	0.0090	1.0000	53.0000	1.0000	34.0000	0.0003	0.0001	0.0	0.0	0.0
2 1 1981	1430	9	0.0120	2.0000	59.0000	1.0000	50.0000	0.0003	0.0001	0.0	0.0	0.0
9 1 1981	1430	9	0.0120	1.0000	78.0000	1.0000	47.0000	0.0004	0.0001	0.0	0.0	0.0
16 1 1981	1530	9	0.0160	1.0000	50.0000	1.0000	42.0000	0.0004	0.0001	0.0	0.0	0.0
24 1 1981	1400	9	0.0190	1.0000	71.0000	1.0000	48.0000	0.0004	0.0001	0.0	0.0	0.0
30 1 1981	1430	9	0.0240	2.0000	72.0000	1.0000	53.0000	0.0004	0.0001	0.0	0.0	0.0
6 2 1981	1345	9	0.0240	2.0000	59.0000	1.0000	38.0000	0.0003	0.0001	0.0	0.0	0.0
13 2 1981	1400	9	0.0260	4.0000	73.0000	2.0000	40.0000	0.0004	0.0001	0.0	0.0	0.0
20 2 1981	1400	9	0.0350	1.0000	81.0000	1.0000	45.0000	0.0005	0.0001	0.0	0.0	0.0
27 2 1981	1400	9	0.0290	1.0000	84.0000	1.0000	38.0000	0.0003	0.0001	0.0	0.0	0.0
6 3 1981	1430	9	0.0230	1.0000	61.0000	1.0000	46.0000	0.0003	0.0001	0.0	0.0	0.0
13 3 1981	1430	9	0.0220	1.0000	72.0000	1.0000	43.0000	0.0003	0.0001	0.0	0.0	0.0
20 3 1981	1445	9	0.0200	1.0000	87.0000	1.0000	45.0000	0.0004	0.0001	0.0	0.0	0.0
27 3 1981	1400	9	0.0190	1.0000	72.0000	1.0000	40.0000	0.0005	0.0001	0.0	0.0	0.0
3 4 1981	1430	9	0.0170	1.0000	57.0000	1.0000	30.0000	0.0003	0.0001	0.0	0.0	0.0
10 4 1981	1400	9	0.0170	1.0000	61.0000	1.0000	47.0000	0.0005	0.0001	0.0	0.0	0.0
16 4 1981	1500	9	0.0170	3.0000	80.0000	1.0000	46.0000	0.0005	0.0001	0.0	0.0	0.0
24 4 1981	1430	9	0.0160	5.0000	70.0000	3.0000	41.0000	0.0005	0.0001	0.0	0.0	0.0
1 5 1981	1430	9	0.0120	5.0000	82.0000	2.0000	40.0000	0.0005	0.0001	0.0	0.0	0.0
8 5 1981	1430	9	0.0110	7.0000	56.0000	6.0000	30.0000	0.0005	0.0001	0.0	0.0	0.0
15 5 1981	1430	9	0.0100	9.0000	73.0000	8.0000	46.0000	0.0004	0.0001	0.0	0.0	0.0
22 5 1981	1430	9	0.0080	5.0000	63.0000	4.0000	47.0000	0.0005	0.0001	0.0	0.0	0.0
26 5 1981	1530	9	0.0020	1.0000	80.0000	1.0000	41.0000	0.0006	0.0001	0.0	0.0	0.0
29 5 1981	1530	9	0.0040	9.0000	63.0000	1.0000	60.0000	0.0004	0.0001	0.0	0.0	0.0
5 6 1981	1414	9	0.0020	7.0000	63.0000	4.0000	41.0000	0.0004	0.0001	0.0	0.0	0.0
12 6 1981	1430	9	0.0090	2.0000	61.0000	1.0000	41.0000	0.0004	0.0001	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09AB000000 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	NN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
19	6	1981	1440	9	0.0020	4.0000	57.5000	2.0000	51.3000	0.0003	0.0001	0.0	0.0	0.0	0.0
3	7	1981	1100	9	0.0080	4.0000	53.8000	1.0000	46.3000	0.0003	0.0001	0.0005	0.0005	0.0010	0.0002
10	7	1981	1530	9	1.9000	3.0000	56.0000	1.0000	48.0000	0.0001	0.0001	0.0005	0.0005	0.0150	0.0030
17	7	1981	1530	9	0.0390	1.0000	59.0000	1.0000	52.0000	0.0004	0.0001	0.0005	0.0005	0.0700	0.0080
23	7	1981	1530	9	0.0370	1.0000	54.0000	1.0000	33.0000	0.0060	0.0001	0.0005	0.0005	0.0070	0.0010
31	7	1981	1530	9	0.0380	1.0000	68.0000	1.0000	40.0000	0.0006	0.0001	0.0005	0.0005	0.0120	0.0020
7	8	1981	1530	9	0.0900	1.0000	68.0000	1.0000	56.0000	0.0004	0.0001	0.0005	0.0005	0.0060	0.0010
14	8	1981	1530	9	0.0840	1.0000	110.0000	1.0000	49.0000	0.0004	0.0001	0.0005	0.0005	0.0120	0.0020
21	8	1981	1130	9	0.3070	1.0000	98.0000	1.0000	45.0000	0.0003	0.0001	0.0005	0.0005	0.0230	0.0050
28	8	1981	1530	9	0.0570	4.0000	76.0000	3.0000	62.0000	0.0004	0.0001	0.0005	0.0005	0.0010	0.0010
4	9	1981	1530	9	0.0020	2.0000	61.0000	1.0000	48.0000	0.0005	0.0001	0.0005	0.0005	0.0080	0.0010
11	9	1981	1405	9	0.0130	1.0000	76.0000	1.0000	58.0000	0.0004	0.0001	0.0005	0.0005	0.0020	0.0010
18	9	1981	1100	9	0.0080	1.0000	55.0000	1.0000	42.0000	0.0005	0.0001	0.0005	0.0005	0.0050	0.0010
25	9	1981	1410	9	0.0020	1.0000	58.0000	1.0000	15.0000	0.0005	0.0001	0.0005	0.0005	0.0010	0.0040
2	10	1981	1412	9	0.0580	1.0000	69.0000	1.0000	50.0000	0.0003	0.0001	0.0005	0.0005	0.0080	0.0180
9	10	1981	1340	9	0.4100	1.0000	59.0000	1.0000	53.0000	0.0006	0.0001	0.0005	0.0005	0.0020	0.0010
16	10	1981	1415	9	0.0080	1.0000	59.0000	1.0000	38.0000	0.0004	0.0001	0.0005	0.0005	0.0400	0.0010
23	10	1981	1420	9	0.0080	10.0000	50.0000	10.0000	38.0000	0.0005	0.0001	0.0005	0.0005	0.0010	0.0010
30	10	1981	1415	9	0.0100	6.0000	67.0000	4.0000	38.0000	0.0005	0.0001	0.0005	0.0005	0.0020	0.0010
6	11	1981	1400	9	0.0100	2.0000	37.0000	1.0000	28.0000	0.0004	0.0001	0.0005	0.0005	0.0300	0.0020
13	11	1981	1040	9	0.0360	22.0000	50.0000	20.0000	50.0000	0.0003	0.0001	0.0005	0.0005	0.0070	0.0010
20	11	1981	1415	9	0.0140	4.0000	51.0000	2.0000	36.0000	0.0003	0.0001	0.0005	0.0005	0.0400	0.0040
27	11	1981	1415	9	0.0950	1.0000	36.0000	1.0000	34.0000	0.0003	0.0001	0.0005	0.0005	0.0020	0.0020
4	12	1981	1400	9	0.0660	1.0000	50.0000	1.0000	36.0000	0.0001	0.0001	0.0005	0.0005	0.0500	0.0090
11	12	1981	1335	9	0.0820	1.0000	53.0000	1.0000	33.0000	0.0003	0.0001	0.0005	0.0005	0.0600	0.0050
18	12	1981	1425	9	0.7680	1.0000	71.0000	1.0000	50.0000	0.0005	0.0001	0.0005	0.0005	0.0020	0.0040
24	12	1981	1115	9	0.0150	1.0000	71.0000	1.0000	56.0000	0.0004	0.0001	0.0005	0.0005	0.0010	0.0010
31	12	1981	1130	9	0.3300	1.0000	68.0000	1.0000	39.0000	0.0005	0.0001	0.0005	0.0005	0.0010	0.0010
8	1	1982	1440	9	0.0450	1.0000	52.0000	1.0000	52.0000	0.0009	0.0001	0.0005	0.0005	0.0030	0.0050
15	1	1982	1055	9	0.0420	1.0000	55.0000	1.0000	52.0000	0.0004	0.0001	0.0005	0.0005	0.0030	0.0010
22	1	1982	1415	9	0.1620	1.0000	56.0000	1.0000	50.0000	0.0003	0.0001	0.0005	0.0005	0.0020	0.0030
29	1	1982	1400	9	0.5090	1.0000	52.0000	1.0000	41.0000	0.0004	0.0001	0.0005	0.0005	0.0010	0.0010
5	2	1982	1455	9	0.0410	1.0000	67.0000	1.0000	41.0000	0.0006	0.0001	0.0005	0.0005	0.0010	0.0010
12	2	1982	1420	9	0.0330	1.0000	60.0000	1.0000	44.0000	0.0006	0.0001	0.0005	0.0005	0.0040	0.0020
19	2	1982	1510	9	0.0600	1.0000	65.0000	1.0000	58.0000	0.0005	0.0001	0.0005	0.0005	0.0040	0.0020
26	2	1982	1420	9	0.0420	1.0000	61.0000	1.0000	50.0000	0.0007	0.0001	0.0005	0.0005	0.0020	0.0010
5	3	1982	1420	9	0.4170	1.0000	61.0000	1.0000	45.0000	0.0007	0.0001	0.0005	0.0005	0.0010	0.0020
12	3	1982	1445	9	0.1020	1.0000	59.0000	1.0000	54.0000	0.0004	0.0001	0.0005	0.0005	0.0020	0.0040
19	3	1982	1450	9	0.1080	5.0000	59.0000	1.0000	42.0000	0.0003	0.0001	0.0005	0.0005	0.0020	0.0010
26	3	1982	1428	9	1.3250	1.0000	40.0000	1.0000	32.0000	0.0003	0.0001	0.0005	0.0005	0.0020	0.0030
2	4	1982	1423	9	0.3870	0.0	0.0	0.0	0.0	0.0001	0.0001	0.0005	0.0005	0.0040	0.0010
8	4	1982	1410	9	0.0260	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0005	0.0020	0.0010
16	4	1982	1424	9	0.0700	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0005	0.0010	0.0010
22	4	1982	1500	9	0.0460	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0005	0.0040	0.0700
30	4	1982	1525	9	0.8030	0.0	0.0	0.0	0.0	0.0010	0.0001	0.0005	0.0005	0.0030	0.0005
7	5	1982	1400	9	0.0280	0.0	0.0	0.0	0.0	0.0004	0.0001	0.0005	0.0005	0.0020	0.0040
14	5	1982	1409	9	0.0760	0.0	0.0	0.0	0.0	0.0007	0.0001	0.0005	0.0005	0.0030	0.0010
21	5	1982	1400	9	0.0180	0.0	0.0	0.0	0.0	0.0006	0.0001	0.0005	0.0005	0.0020	0.0010
28	5	1982	1420	9	0.0190	0.0	0.0	0.0	0.0	0.0006	0.0001	0.0005	0.0005	0.0100	0.0130
4	6	1982	1425	9	0.0290	0.0	0.0	0.0	0.0	0.0008	0.0001	0.0005	0.0005	0.0070	0.0005

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AB0006

PACIFIC AND YUKON REGION
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DO	MM	YEAR	HR:MM	L	NN-D	RFNL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
11	6	1982	1020	9	0.0060	0.0	0.0	0.0	0.0	0.0001	0.0001	0.0005	0.0050	0.0030
25	6	1982	1405	9	0.8800	0.0	0.0	0.0	0.0	0.0005	0.0001	0.0005	0.0040	0.0080
2	7	1982	1444	9	0.0040	0.0	0.0	0.0	0.0	0.0005	0.0001	0.0005	0.0060	0.0020
6	7	1982	1030	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1039	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7	1982	1430	9	0.0080	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0070	0.0010
16	7	1982	1420	9	0.0060	0.0	0.0	0.0	0.0	0.0004	0.0001	0.0005	0.0040	0.0010
23	7	1982	1410	9	0.0020	0.0	0.0	0.0	0.0	0.0004	0.0001	0.0005	0.0020	0.0050
30	7	1982	1430	9	0.0	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0032	0.0130	0.0400
-6	8	1982	1408	9	0.0020	0.0	0.0	0.0	0.0	0.0005	0.0001	0.0005	0.0040	0.0010
13	8	1982	0	9	0.0310	0.0	0.0	0.0	0.0	0.0006	0.0001	0.0006	0.0070	0.0060
20	8	1982	1430	9	0.0080	0.0	0.0	0.0	0.0	0.0006	0.0001	0.0005	0.0100	0.0020
27	8	1982	1445	9	0.0050	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0020	0.0010
3	9	1982	1330	9	0.0180	1.0000	51.0000	0.0	49.0000	0.0003	0.0001	0.0005	0.0	0.0
10	9	1982	1440	9	0.1000	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0010	0.0010
17	9	1982	1600	9	0.0080	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0005	0.0	0.0
24	9	1982	1540	9	0.0280	3.0000	48.0000	2.0000	43.0000	0.0003	0.0001	0.0	0.0	0.0
1	10	1982	1400	9	0.2530	9.0000	52.0000	8.0000	46.0000	0.0003	0.0001	0.0	0.0	0.0
8	10	1982	1425	9	0.0020	1.0000	51.0000	0.0	44.0000	0.0002	0.0001	0.0	0.0	0.0
15	10	1982	1330	9	0.0780	3.0000	33.0000	3.0000	30.0000	0.0002	0.0001	0.0	0.0	0.0
22	10	1982	1437	9	0.0730	7.0000	45.0000	2.0000	40.0000	0.0002	0.0001	0.0	0.0	0.0
29	10	1982	1430	9	0.0070	2.0000	68.0000	0.0	38.0000	0.0001	0.0001	0.0	0.0	0.0
5	11	1982	1425	9	0.0030	14.0000	122.0000	2.0000	108.0000	0.0003	0.0001	0.0	0.0	0.0
12	11	1982	1347	9	0.0090	4.0000	130.0000	0.0	124.0000	0.0003	0.0001	0.0	0.0	0.0
19	11	1982	1505	9	0.0230	0.0	70.0000	0.0	30.0000	0.0003	0.0001	0.0	0.0	0.0
25	11	1982	1415	9	0.0760	0.0	40.0000	0.0	34.0000	0.0003	0.0001	0.0	0.0	0.0
3	12	1982	1414	9	0.0350	6.0000	46.0000	4.0000	24.0000	0.0001	0.0002	0.0	0.0	0.0
10	12	1982	1352	9	0.0180	0.0	0.0	0.0	0.0	0.0004	0.0002	0.0	0.0	0.0
17	12	1982	1403	9	0.0180	0.0	0.0	0.0	0.0	0.0001	0.0001	0.0	0.0	0.0
24	12	1982	942	9	0.3030	6.0000	72.0000	0.0	64.0000	0.0003	0.0001	0.0	0.0	0.0
31	12	1982	1048	9	0.0230	10.0000	126.0000	2.0000	102.0000	0.0002	0.0001	0.0	0.0	0.0
7	1	1983	1522	9	0.0240	6.0000	92.0000	4.0000	74.0000	0.0002	0.0001	0.0	0.0	0.0
14	1	1983	1115	9	0.0260	4.0000	102.0000	2.0000	88.0000	0.0003	0.0001	0.0	0.0	0.0
21	1	1983	1443	9	0.0300	2.0000	134.0000	2.0000	128.0000	0.0003	0.0004	0.0	0.0	0.0
28	1	1983	1343	9	0.0350	2.0000	116.0000	0.0	44.0000	0.0003	0.0001	0.0	0.0	0.0
4	2	1983	1350	9	0.0430	2.0000	60.0000	0.0	10.0000	0.0004	0.0001	0.0	0.0	0.0
11	2	1983	1005	9	0.0470	1.0000	62.0000	0.0	49.0000	0.0003	0.0001	0.0	0.0	0.0
18	2	1983	1525	9	0.0320	1.0000	164.0000	0.0	132.0000	0.0004	0.0001	0.0	0.0	0.0
25	2	1983	1110	9	0.0840	4.0000	87.0000	1.0000	17.0000	0.0004	0.0001	0.0	0.0	0.0
4	3	1983	1007	9	0.0420	1.0000	144.0000	1.0000	133.0000	0.0005	0.0001	0.0	0.0	0.0
11	3	1983	1041	9	0.0280	2.0000	51.0000	1.0000	47.0000	0.0002	0.0001	0.0	0.0	0.0
18	3	1983	1108	9	0.0380	9.0000	69.0000	5.0000	28.0000	0.0002	0.0001	0.0	0.0	0.0
25	3	1983	1343	9	0.0230	18.0000	138.0000	7.0000	122.0000	0.0002	0.0001	0.0	0.0	0.0
31	3	1983	1100	9	0.0250	1.0000	48.0000	0.0	25.0000	0.0003	0.0001	0.0	0.0	0.0
8	4	1983	1410	9	0.0220	1.0000	58.0000	0.0	29.0000	0.0003	0.0001	0.0	0.0	0.0
15	4	1983	1350	9	0.0160	11.0000	39.0000	8.0000	36.0000	0.0003	0.0001	0.0	0.0	0.0
22	4	1983	1327	9	0.0170	10.0000	74.0000	5.0000	63.0000	0.0003	0.0001	0.0	0.0	0.0
29	4	1983	1413	9	0.0130	7.0000	66.0000	5.0000	58.0000	0.0003	0.0002	0.0	0.0	0.0
5	5	1983	1430	9	0.0100	5.0000	150.0000	2.0000	139.0000	0.0002	0.0001	0.0	0.0	0.0
13	5	1983	1420	9	0.0330	12.0000	214.0000	0.0	91.0000	0.0004	0.0002	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09AB0000 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
20	5	1983	1820	9		0.0230	0.0	93.0000	0.0	63.0000	0.0003	0.0002	0.0	0.0	0.0
27	5	1983	1420	9		0.0020	10.0000	80.0000	6.0000	32.0000	0.0003	0.0001	0.0	0.0	0.0
3	6	1983	1504	9		0.0200	34.0000	85.0000	20.0000	81.0000	0.0004	0.0001	0.0	0.0	0.0
10	6	1983	1520	9		0.0030	2.0000	40.0000	1.0000	26.0000	0.0002	0.0001	0.0	0.0	0.0
17	6	1983	1405	9		0.0180	3.0000	40.0000	1.0000	32.0000	0.0003	0.0001	0.0	0.0	0.0
24	6	1983	1345	9		0.0120	1.0000	42.0000	0.0	14.0000	0.0002	0.0001	0.0	0.0	0.0
30	6	1983	1430	9		0.0020	8.0000	79.0000	4.0000	67.0000	0.0002	0.0001	0.0	0.0	0.0
8	7	1983	1415	9		0.0020	10.0000	88.0000	3.0000	28.0000	0.0003	0.0001	0.0	0.0	0.0
15	7	1983	1445	9		0.0100	2.0000	57.0000	1.0000	32.0000	0.0003	0.0002	0.0	0.0	0.0
22	7	1983	1450	9		0.0800	3.0000	23.0000	0.0	14.0000	0.0002	0.0009	0.0	0.0	0.0
29	7	1983	1416	9		0.0110	17.0000	93.0000	15.0000	75.0000	0.0001	0.0001	0.0	0.0	0.0
5	8	1983	1445	9		0.0020	9.0000	30.0000	0.0	18.0000	0.0001	0.0002	0.0	0.0	0.0
12	8	1983	1445	9		0.0180	6.0000	238.0000	3.0000	235.0000	0.0003	0.0001	0.0	0.0	0.0
19	8	1983	1425	9		0.1690	1.0000	27.0000	1.0000	19.0000	0.0003	0.0001	0.0	0.0	0.0
26	8	1983	1503	9		0.0660	15.0000	93.0000	5.0000	40.0000	0.0	0.0	0.0	0.0	0.0
2	9	1983	1415	9		0.0740	3.0000	99.0000	0.0	70.0000	0.0006	0.0001	0.0	0.0	0.0
9	9	1983	1630	9		0.1130	2.0000	46.0000	1.0000	43.0000	0.0003	0.0001	0.0	0.0	0.0
16	9	1983	1415	9		0.0020	2.0000	94.0000	0.0	51.0000	0.0002	0.0001	0.0	0.0	0.0
23	9	1983	1420	9		0.0060	7.0000	82.0000	3.0000	57.0000	0.0002	0.0001	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00Y09AB0006

PACIFIC AND YUKON REGION
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DO	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HQ-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
11	7	1980	1330	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	7	1980	1630	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	7	1980	1310	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	8	1980	1345	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	8	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	8	1980	1330	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	8	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	8	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	9	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	9	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	9	1980	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	9	1980	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	10	1980	1500	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	10	1980	1730	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	10	1980	1500	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	10	1980	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	11	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	11	1980	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	11	1980	1030	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	11	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	12	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	12	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	12	1980	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	12	1980	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	1	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	1	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	1	1981	1530	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	1	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	1	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	2	1981	1345	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	2	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	2	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	2	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	3	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	3	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	3	1981	1445	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	3	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	4	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	4	1981	1400	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	4	1981	1500	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	4	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1	5	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	5	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	5	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	5	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	5	1981	1530	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	5	1981	1530	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	6	1981	1414	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	6	1981	1430	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00Y08AB0000

PACIFIC AND YUKON REGION
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DO	MM	YEAR	HR:MM	L	FE-X	PB-X	MM-X	HQ-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
19	6	1981	1440	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7	1981	1100	9	0.1400	0.0010	0.0100	0.0500	0.1240	0.0070	0.0	0.0	0.0	0.0
10	7	1981	1530	9	0.1200	0.0030	0.0100	0.0	2.4000	0.0100	0.0	8.2000	2.1000	0.0
17	7	1981	1530	9	0.0400	0.0110	0.0100	0.0500	0.0900	0.0050	0.0	8.5000	1.7000	0.0
23	7	1981	1530	8	0.0480	0.0050	0.0100	0.0500	0.0890	0.0060	0.0	8.9000	1.8000	0.0
31	7	1981	1530	9	0.0540	0.0060	0.0100	0.0500	0.0970	0.0050	0.0	0.0	0.0	0.0
7	8	1981	1530	9	0.0450	0.0030	0.0100	0.0500	0.0950	0.0040	0.0	9.2300	0.9300	0.0
14	8	1981	1530	9	0.1300	0.0010	0.0100	0.0500	0.1800	0.0130	0.0	9.9700	0.8500	0.0
21	8	1981	1130	9	0.0800	0.0040	0.0100	0.0500	0.4240	0.0080	0.0	9.5600	1.8400	0.0
28	8	1981	1530	9	0.0380	0.0010	0.0100	0.0500	0.1470	0.0050	0.0	0.0	0.0	0.0
4	9	1981	1530	9	0.0260	0.0010	0.0100	0.0500	0.0570	0.0040	0.0	10.1000	0.2300	0.0
11	9	1981	1405	9	0.0260	0.0010	0.0200	0.0500	0.0730	0.0050	0.0	10.1000	0.0570	0.0
18	9	1981	1100	9	0.0800	0.0010	0.0100	0.0500	0.0910	0.0050	0.0	0.0	0.0	0.0
25	9	1981	1410	9	0.0500	0.0010	0.0100	0.0500	0.0510	0.0080	0.0	0.0	0.0	0.0
2	10	1981	1412	9	0.0700	0.0030	0.0100	0.0500	0.1190	0.0060	0.0	0.0	0.0	0.0
9	10	1981	1340	9	0.0700	0.0020	0.0100	0.0500	0.4800	0.0060	0.0	0.0	0.0	0.0
16	10	1981	1415	9	0.1300	0.0020	0.0200	0.0500	0.0680	0.0060	0.0	0.0	0.0	0.0
23	10	1981	1420	9	0.0800	0.0010	0.0100	0.0500	0.0730	0.0060	0.0	0.0	0.0	0.0
30	10	1981	1415	9	0.0900	0.0010	0.0100	0.0500	0.0850	0.0050	0.0	0.0	0.0	0.0
5	11	1981	1400	9	0.1000	0.0030	0.0100	0.0500	0.1220	0.0090	0.0	0.0	0.0	0.0
13	11	1981	1040	9	0.0370	0.0010	0.0100	0.0500	0.1270	0.0030	0.0	0.0	0.0	0.0
20	11	1981	1415	9	0.0300	0.0040	0.0100	0.0500	0.0600	0.0080	0.0	0.0	0.0	0.0
27	11	1981	1415	9	0.0330	0.0010	0.0100	0.0	0.2530	0.0090	0.0	0.0	0.0	0.0
4	12	1981	1400	9	0.0250	0.0050	0.0100	0.0500	0.1450	0.0040	0.0	0.0	0.0	0.0
11	12	1981	1335	9	0.0210	0.0040	0.0100	0.0500	0.2680	0.0070	0.0	0.0	0.0	0.0
18	12	1981	1425	9	0.0210	0.0010	0.0100	0.0500	0.7700	0.0120	0.0	0.0	0.0	0.0
24	12	1981	1115	9	0.0190	0.0010	0.0100	0.0500	0.0980	0.0020	0.0	0.0	0.0	0.0
31	12	1981	1130	9	0.0230	0.0010	0.0100	0.0500	0.5440	0.0050	0.0	0.0	0.0	0.0
8	1	1982	1400	9	0.0210	0.0100	0.0100	0.0500	0.1700	0.0050	0.0	0.0	0.0	0.0
15	1	1982	1055	9	0.0230	0.0010	0.0100	0.0500	0.1310	0.0060	0.0	0.0	0.0	0.0
22	1	1982	1415	9	0.0350	0.0010	0.0100	0.0500	0.2680	0.0040	0.0	0.0	0.0	0.0
29	1	1982	1400	9	0.0230	0.0010	0.0100	0.0500	0.5730	0.0050	0.0	0.0	0.0	0.0
5	2	1982	1455	9	0.0180	0.0010	0.0100	0.0500	0.1680	0.0050	0.0	0.0	0.0	0.0
12	2	1982	1420	9	0.1800	0.0010	0.0100	0.0500	0.1440	0.0100	0.0	0.0	0.0	0.0
19	2	1982	1510	9	0.0600	0.0010	0.0100	0.0500	0.0942	0.0030	0.0	0.0	0.0	0.0
26	2	1982	1420	9	0.0200	0.0010	0.0100	0.0500	0.1800	0.0040	0.0	0.0	0.0	0.0
5	3	1982	1420	9	0.0300	0.0040	0.0100	0.0500	0.5600	0.0040	0.0	0.0	0.0	0.0
12	3	1982	1445	9	0.0420	0.0010	0.0100	0.0500	0.1860	0.0070	0.0	0.0	0.0	0.0
19	3	1982	1450	9	0.0250	0.0010	0.0100	0.0500	0.2220	0.0030	0.0	0.0	0.0	0.0
26	3	1982	1428	9	0.0500	0.0020	0.0100	0.0500	1.4400	0.0040	0.0	0.0	0.0	0.0
2	4	1982	1423	9	0.0250	0.0010	0.0100	0.0500	0.0780	0.0040	0.0	0.0	0.0	0.0
8	4	1982	1410	9	0.0900	0.0010	0.0100	0.0500	0.1000	0.0020	0.0	0.0	0.0	0.0
16	4	1982	1424	9	0.0200	0.0010	0.0100	0.0500	0.1310	0.0020	0.0	0.0	0.0	0.0
22	4	1982	1500	9	0.1500	0.0010	0.0100	0.0500	0.9120	0.0070	0.0	0.0	0.0	0.0
30	4	1982	1525	9	0.0700	0.0010	0.0100	0.0500	0.1020	0.0080	0.0	0.0	0.0	0.0
7	5	1982	1400	9	0.1100	0.0010	0.0100	0.0500	0.1440	0.0	0.0	0.0	0.0	0.0
14	5	1982	1409	9	0.1500	0.0010	0.0100	0.0500	0.1220	0.0	0.0	0.0	0.0	0.0
21	5	1982	1400	9	0.2700	0.0020	0.0100	0.0500	0.1110	0.0150	0.0	0.0	0.0	0.0
28	5	1982	1420	9	0.3000	0.0070	0.0200	0.0500	0.2760	0.0530	0.0	0.0	0.0	0.0
4	6	1982	1425	9	0.7100	0.0300	0.0300	0.0500			0.0	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AB0006

REPORT
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

PACIFIC AND YUKON REGION

DD MM YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
11	6	1982	1020	9	0.7200	0.0070	0.0200	0.0500	0.0980	0.0400	0.0	0.0
25	6	1982	1405	9	0.1200	0.0040	0.0100	0.0500	1.1300	0.0140	0.0	0.0
2	7	1982	1444	9	0.0700	0.0030	0.0100	0.0500	0.0480	0.0090	0.0	0.0
6	7	1982	1030	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1039	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7	1982	1430	9	0.0800	0.0030	0.0100	0.0500	0.0420	0.0080	0.0	0.0
16	7	1982	1420	9	0.0600	0.0020	0.0100	0.0500	0.0910	0.0130	0.0	0.0
23	7	1982	1410	9	0.0480	0.0010	0.0100	0.0500	0.0360	0.0050	0.0	0.0
30	7	1982	1430	9	0.0700	0.0060	0.0100	0.0500	0.0800	0.0080	0.0	0.0
6	8	1982	1408	9	0.0500	0.0010	0.0100	0.0500	0.0370	0.0070	0.0	0.0
13	8	1982	1430	9	0.0400	0.0030	0.0100	0.0500	0.0820	0.0120	0.0	0.0
20	8	1982	1445	9	0.0310	0.0010	0.0100	0.0500	0.0830	0.0230	0.0	0.0
27	8	1982	1445	9	0.0330	0.0020	0.0100	0.0500	0.0630	0.0020	0.0	0.0
3	9	1982	1330	9	0.0	0.0	0.0	0.0	0.0830	0.0080	0.0	0.0
10	9	1982	1440	9	0.0370	0.0010	0.0100	0.0500	0.1120	0.0030	0.0	0.0
17	9	1982	1600	9	0.0	0.0	0.0	0.0	0.0780	0.0050	0.0	0.0
24	9	1982	1540	9	0.0	0.0	0.0	0.0	2.0800	0.0130	0.0	0.0
1	10	1982	1400	9	0.0	0.0	0.0	0.0	0.3070	0.0190	0.0	0.0
8	10	1982	1425	9	0.0	0.0	0.0	0.0	0.0550	0.0030	0.0	0.0
15	10	1982	1330	9	0.0	0.0	0.0	0.0	0.0030	0.0100	0.0	0.0
22	10	1982	1437	9	0.0	0.0	0.0	0.0	0.1840	0.0060	0.0	0.0
25	10	1982	1430	9	0.0	0.0	0.0	0.0	0.0730	0.0060	0.0	0.0
5	11	1982	1425	9	0.0	0.0	0.0	0.0	0.0650	0.0110	0.0	0.0
12	11	1982	1347	9	0.0	0.0	0.0	0.0	0.0830	0.0040	0.0	0.0
19	11	1982	1505	9	0.0	0.0	0.0	0.0	0.1120	0.0050	0.0	0.0
26	11	1982	1415	9	0.0	0.0	0.0	0.0	0.1390	0.0050	0.0	0.0
3	12	1982	1414	9	0.0	0.0	0.0	0.0	0.0840	0.0040	0.0	0.0
10	12	1982	1352	9	0.0	0.0	0.0	0.0	0.0860	0.0090	0.0	0.0
17	12	1982	1403	9	0.0	0.0	0.0	0.0	0.0590	0.0130	0.0	0.0
24	12	1982	842	9	0.0	0.0	0.0	0.0	0.5070	0.0080	0.0	0.0
31	12	1982	1048	9	0.0	0.0	0.0	0.0	0.1140	0.0050	0.0	0.0
7	1	1983	1522	9	0.0	0.0	0.0	0.0	0.0650	0.0090	0.0	0.0
14	1	1983	1115	9	0.0	0.0	0.0	0.0	0.0620	0.0150	0.0	0.0
21	1	1983	1443	9	0.0	0.0	0.0	0.0	0.0630	0.0040	0.0	0.0
28	1	1983	1343	9	0.0	0.0	0.0	0.0	0.0900	0.0040	0.0	0.0
4	2	1983	1350	9	0.0	0.0	0.0	0.0	0.0900	0.0020	0.0	0.0
11	2	1983	1005	9	0.0	0.0	0.0	0.0	0.0760	0.0050	0.0	0.0
18	2	1983	1525	9	0.0	0.0	0.0	0.0	0.0680	0.0050	0.0	0.0
25	2	1983	1110	9	0.0	0.0	0.0	0.0	0.1500	0.0030	0.0	0.0
4	3	1983	1007	9	0.0	0.0	0.0	0.0	0.0880	0.0150	0.0	0.0
11	3	1983	1041	9	0.0	0.0	0.0	0.0	0.0530	0.0150	0.0	0.0
18	3	1983	1108	9	0.0	0.0	0.0	0.0	0.0760	0.0080	0.0	0.0
25	3	1983	1343	9	0.0	0.0	0.0	0.0	0.0680	0.0030	0.0	0.0
31	3	1983	1100	9	0.0	0.0	0.0	0.0	0.0610	0.0040	0.0	0.0
8	4	1983	1410	9	0.0	0.0	0.0	0.0	0.0550	0.0120	0.0	0.0
15	4	1983	1350	9	0.0	0.0	0.0	0.0	0.0410	0.0200	0.0	0.0
22	4	1983	1327	9	0.0	0.0	0.0	0.0	0.0470	0.0130	0.0	0.0
29	4	1983	1413	9	0.0	0.0	0.0	0.0	0.0540	0.0120	0.0	0.0
6	5	1983	1430	9	0.0	0.0	0.0	0.0	0.0570	0.0120	0.0	0.0
13	5	1983	1420	9	0.0	0.0	0.0	0.0	0.1150	0.0140	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AB0006

PACIFIC AND YUKON REGION
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
20	5	1983	1820	9	0.0	0.0	0.0	0.0	0.0570	0.0200	0.0	11.0000	4.0000	0.0
27	5	1983	1420	9	0.0	0.0	0.0	0.0	0.0410	0.0110	0.0	11.0000	1.4000	0.0
3	6	1983	1504	9	0.0	0.0	0.0	0.0	0.0720	0.0290	0.0	10.0000	1.7000	0.0
10	6	1983	1520	9	0.0	0.0	0.0	0.0	0.0490	0.0130	0.0	10.0000	0.7700	0.0
17	6	1983	1405	9	0.0	0.0	0.0	0.0	0.0450	0.0070	0.0	10.0000	1.2000	0.0
24	6	1983	1345	9	0.0	0.0	0.0	0.0	0.0700	0.0080	0.0	9.4000	1.9000	0.0
30	6	1983	1430	9	0.0	0.0	0.0	0.0	0.0520	0.0060	0.0	9.5000	1.9000	0.0
8	7	1983	1415	9	0.0	0.0	0.0	0.0	0.0870	0.0070	0.0	9.2000	1.7000	0.0
15	7	1983	1445	9	0.0	0.0	0.0	0.0	0.0650	0.0060	0.0	9.2000	1.9000	0.0
22	7	1983	1450	9	0.0	0.0	0.0	0.0	0.1450	0.0080	0.0	9.3000	1.8000	0.0
29	7	1983	1416	9	0.0	0.0	0.0	0.0	0.0870	0.0080	0.0	9.1000	2.3000	0.0
5	8	1983	1445	9	0.0	0.0	0.0	0.0	0.0610	0.0050	0.0	8.7000	1.4000	0.0
12	8	1983	1445	9	0.0	0.0	0.0	0.0	0.0750	0.0070	0.0	8.3000	1.7000	0.0
19	8	1983	1425	9	0.0	0.0	0.0	0.0	0.2650	0.0060	0.0	11.0000	0.5200	0.0
26	8	1983	1503	9	0.0	0.0	0.0	0.0	0.1540	0.0210	0.0	11.0000	0.5200	0.0
2	9	1983	1415	9	0.0	0.0	0.0	0.0	0.1540	0.0060	0.0	8.4000	1.6000	0.0
9	9	1983	1630	9	0.0	0.0	0.0	0.0	0.1400	0.0280	0.0	10.0000	0.9500	0.0
16	9	1983	1415	9	0.0	0.0	0.0	0.0	0.0480	0.0060	0.0	9.7000	1.3000	0.0
23	9	1983	1420	9	0.0	0.0	0.0	0.0	0.0840	0.0530	0.0	11.0000	0.7400	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA				REPORT				PACIFIC AND YUKON REGION				YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE			
REPORT FOR STATION NUMBER				O0YT09AB00006											
DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T	
11	7	1980	1330	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	7	1980	1630	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
25	7	1980	1310	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1	8	1980	1345	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	8	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	8	1980	1330	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	8	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	8	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	9	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	9	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
19	9	1980	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	9	1980	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	10	1980	1500	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	10	1980	1730	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
18	10	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	10	1980	1500	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
31	10	1980	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
7	11	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
14	11	1980	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
21	11	1980	1030	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	11	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	12	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	12	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	12	1980	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
29	12	1980	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
2	1	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
9	1	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	1	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	1	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
30	1	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	2	1981	1345	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	2	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	2	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	2	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
6	3	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
13	3	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
20	3	1981	1445	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
27	3	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
3	4	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	4	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
16	4	1981	1500	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
24	4	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
1	5	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
8	5	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
15	5	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
22	5	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
26	5	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
28	5	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5	6	1981	1414	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
12	6	1981	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09AB0006 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DO	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
19	6	1981	1440	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	7	1981	1100	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	7	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	7	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	7	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	7	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	8	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	8	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	8	1981	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	8	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	9	1981	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	9	1981	1405	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	9	1981	1100	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	9	1981	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	10	1981	1412	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	10	1981	1340	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	10	1981	1415	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	10	1981	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	10	1981	1415	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	11	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	11	1981	1040	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	11	1981	1415	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	11	1981	1415	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	12	1981	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	12	1981	1335	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	12	1981	1425	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	12	1981	1115	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	12	1981	1130	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	1	1982	1440	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	1	1982	1055	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	1	1982	1415	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	1	1982	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	2	1982	1455	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	2	1982	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	2	1982	1510	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	2	1982	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	3	1982	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	3	1982	1445	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	3	1982	1450	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	3	1982	1428	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	4	1982	1423	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	4	1982	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	4	1982	1424	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	4	1982	1500	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	4	1982	1525	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	5	1982	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	5	1982	1408	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	5	1982	1400	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	5	1982	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	6	1982	1425	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AB0006

REPORT
YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
11	6	1982	1020	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	6	1982	1405	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	7	1982	1444	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1030	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	7	1982	1039	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7	1982	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	7	1982	1420	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	7	1982	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	7	1982	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	8	1982	1408	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	8	1982	0	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	8	1982	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	8	1982	1445	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9	1982	1330	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	9	1982	1440	9	0.0	0.0	0.0	0.0005	0.0090	0.0800	0.0040	0.0100	0.0500	0.0010
17	9	1982	1600	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	9	1982	1540	9	0.0	0.0	0.0	0.0007	0.0040	0.1000	0.0030	0.0100	0.0500	0.0090
1	10	1982	1400	9	0.0	0.0	0.0	0.0005	0.0020	0.0900	0.0010	0.0100	0.0500	0.0150
8	10	1982	1425	9	0.0	0.0	0.0	0.0006	0.0030	0.0800	0.0020	0.0100	0.0500	0.0800
15	10	1982	1330	9	0.0	0.0	0.0	0.0005	0.0020	0.0800	0.0020	0.0500	0.0500	0.0400
22	10	1982	1437	9	0.0	0.0	0.0	0.0005	0.0010	0.0800	0.0010	0.0100	0.0500	0.0600
29	10	1982	1430	9	0.0	0.0	0.0	0.0005	0.0030	0.1400	0.0020	0.0100	0.0500	0.0050
5	11	1982	1425	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	11	1982	1347	9	0.0	0.0	0.0	0.0005	0.0010	0.0440	0.0010	0.0100	0.0500	0.0010
19	11	1982	1505	9	0.0	0.0	0.0	0.0005	0.0010	0.0500	0.0020	0.0100	0.0500	0.0040
26	11	1982	1415	9	0.0	0.0	0.0	0.0005	0.0010	0.0800	0.0040	0.0100	0.0500	0.0190
3	12	1982	1414	9	0.0	0.0	0.0	0.0005	0.0010	0.0280	0.0010	0.0100	0.0500	0.0300
10	12	1982	1352	9	0.0	0.0	0.0	0.0005	0.0010	0.0250	0.0010	0.0100	0.0500	0.0100
17	12	1982	1403	9	0.0	0.0	0.0	0.0005	0.0010	0.0250	0.0010	0.0100	0.0500	0.0200
24	12	1982	942	9	0.0	0.0	0.0	0.0005	0.0030	0.0310	0.0030	0.0100	0.0500	0.0100
31	12	1982	1048	9	0.0	0.0	0.0	0.0008	0.0010	0.0220	0.0050	0.0100	0.0500	0.0200
7	1	1983	1522	9	0.0	0.0	0.0	0.0005	0.0010	0.0350	0.0020	0.0100	0.0500	0.0010
14	1	1983	1115	9	0.0	0.0	0.0	0.0005	0.0010	0.0	0.0	0.0100	0.0500	0.0080
21	1	1983	1443	9	0.0	0.0	0.0	0.0005	0.0010	0.0	0.0	0.0100	0.0500	0.0030
28	1	1983	1343	9	0.0	0.0	0.0	0.0005	0.0020	0.0	0.0	0.0100	0.0500	0.0010
4	2	1983	1350	9	0.0	0.0	0.0	0.0	0.0010	0.0	0.0010	0.0100	0.0500	0.0010
11	2	1983	1005	9	0.0	0.0	0.0	0.0005	0.0010	0.0040	0.0010	0.0100	0.0500	0.0020
18	2	1983	1525	9	0.0	0.0	0.0	0.0005	0.0010	0.0060	0.0010	0.0100	0.0500	0.0020
25	2	1983	1110	9	0.0	0.0	0.0	0.0005	0.0010	0.0310	0.0010	0.0100	0.0500	0.0050
4	3	1983	1007	9	0.0	0.0	0.0	0.0005	0.0020	0.0310	0.0010	0.0100	0.1100	0.0040
11	3	1983	1109	9	0.0	0.0	0.0	0.0	0.0010	0.0130	0.0050	0.0100	0.0500	0.0010
18	3	1983	1109	9	0.0	0.0	0.0	0.0005	0.0010	0.0180	0.0020	0.0100	0.0500	0.0020
25	3	1983	1343	9	0.0	0.0	0.0	0.0005	0.0010	0.0180	0.0020	0.0100	0.0500	0.0080
31	3	1983	1100	9	0.0	0.0	0.0	0.0	0.0010	0.0190	0.0010	0.0100	0.0500	0.0010
8	4	1983	1410	9	0.0	0.0	0.0	0.0005	0.0010	0.0180	0.0020	0.0100	0.0500	0.0010
15	4	1983	1350	9	0.0	0.0	0.0	0.0005	0.0010	0.0600	0.0010	0.0100	0.0500	0.0010
22	4	1983	1327	9	0.0	0.0	0.0	0.0005	0.0050	0.1600	0.0040	0.0100	0.0500	0.0030
29	4	1983	1413	9	0.0	0.0	0.0	0.0005	0.0060	0.4300	0.0010	0.0200	0.0500	0.0030
6	5	1983	1430	9	0.0	0.0	0.0	0.0005	0.0010	0.1600	0.0030	0.0100	0.0500	0.0010
13	5	1983	1420	9	0.0	0.0	0.0	0.0005	0.0010	0.1700	0.0030	0.0100	0.0500	0.0020
									0.0020	0.3000	0.0010	0.0200	0.0500	0.0010

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AB0006 YUKON RIVER AT MARSH LAKE CONTROL STRUCTURE

DO	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
20	5	1983	1820	9	0.0	0.0	0.0	0.0005	0.0010	0.1500	0.0020	0.0100	0.0500	0.0050
27	5	1983	1420	9	0.0	0.0	0.0	0.0005	0.0010	0.2300	0.0020	0.0100	0.0500	0.0010
3	6	1983	1504	9	0.0	0.0	0.0	0.0005	0.0080	0.7000	0.0040	0.0200	0.0500	0.0040
10	6	1983	1520	9	0.0	0.0	0.0	0.0005	0.0010	0.2000	0.0010	0.0100	0.0500	0.0040
17	6	1983	1405	9	0.0	0.0	0.0	0.0005	0.0070	0.1400	0.0010	0.0100	0.0500	0.0110
24	6	1983	1345	9	0.0	0.0	0.0	0.0005	0.0010	0.0800	0.0010	0.0100	0.0500	0.0030
30	6	1983	1430	9	0.0	0.0	0.0	0.0005	0.0020	0.1100	0.0030	0.0100	0.0500	0.0050
8	7	1983	1415	9	0.0	0.0	0.0	0.0005	0.0010	0.1100	0.0010	0.0100	0.0500	0.0010
15	7	1983	1445	9	0.0	0.0	0.0	0.0005	0.0010	0.0700	0.0030	0.0100	0.0500	0.0020
22	7	1983	1450	9	0.0	0.0	0.0	0.0005	0.0020	0.0900	0.0050	0.0100	0.0500	0.0010
29	7	1983	1416	9	0.0	0.0	0.0	0.0005	0.0040	0.0800	0.0010	0.0100	0.0500	0.0120
5	8	1983	1445	9	0.0	0.0	0.0	0.0005	0.0020	0.0700	0.0010	0.0100	0.0500	0.0040
12	8	1983	1445	9	0.0	0.0	0.0	0.0006	0.0050	0.0800	0.0020	0.0100	0.0500	0.0100
19	8	1983	1425	9	0.0	0.0	0.0	0.0005	0.0080	0.0700	0.0030	0.0100	0.0500	0.0050
26	8	1983	1503	9	0.0	0.0	0.0	0.0005	0.0140	0.1700	0.0020	0.0100	0.0500	0.0010
2	9	1983	1415	9	0.0	0.0	0.0	0.0005	0.0010	0.0440	0.0010	0.0100	0.0500	0.0030
9	9	1983	1630	9	0.0	0.0	0.0	0.0005	0.0020	0.0480	0.0020	0.0100	0.0500	0.0070
16	9	1983	1415	9	0.0	0.0	0.0	0.0005	0.0010	0.0410	0.0020	0.0100	0.0500	0.0010
23	9	1983	1420	9	0.0	0.0	0.0	0.0005	0.0050	0.2000	0.0030	0.0100	0.0500	0.0010

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APPENDIX 2.4

00YT09EA0001 KLONDIKE RIVER AT DAWSON CITY

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND lay samplers from the Klondike Highway bridge (718 km). Sample site is located 2124 km from the mouth of the Yukon River and 1 km from Dawson City limits.	LAT 64°02'24" LONG 139°24'28"	411 m (1350 ft)	7,800 km ² (3,000 km ²)	weekly	FIGURE 1 FIGURE 5 PLATE 9 PLATE 10 MAP 116 B/3

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MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1965 - 1982 (WSC 09EAJ03, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	10.3*	9.03*	8.75*	11.9*	161	224	104	71.2	73.0	40.9*	20.1*	13.5*
MAXIMUM	14.1*	12.5*	12.2*	18.4*	239*	329	219	141	157	69.4*	31.6*	20.5*
MINIMUM	6.25*	4.95*	5.39*	60.7*	66.2*	144	38.6	31.1	38.3	23.8*	13.9*	7.97*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									44.5	26.7*	17.2*	12.3*
1983												

* - ICE CONDITIONS

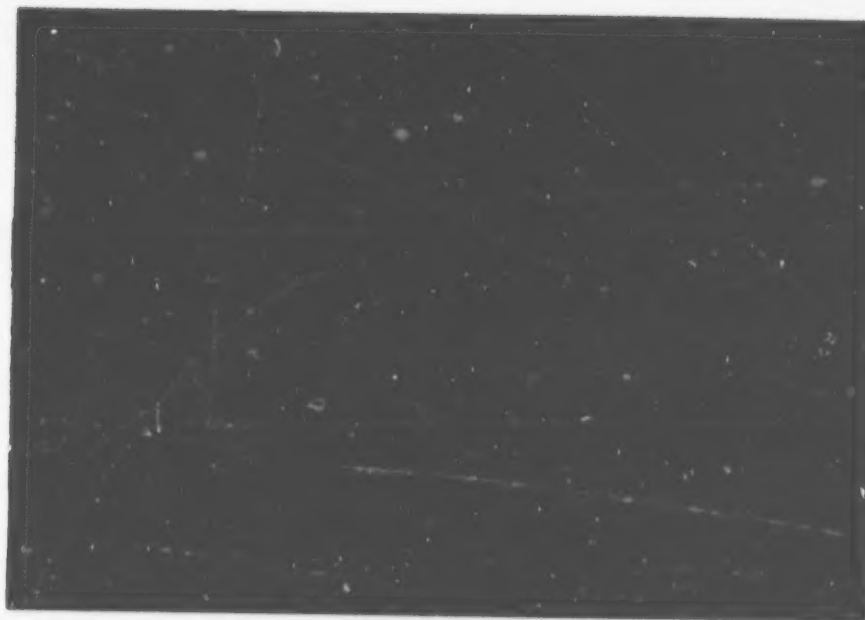


PLATE 9 WATER QUALITY STATION 00YT09EA0001
WINTER PICTURE OF KLONDIKE RIVER VALLEY. SAMPLE
STATION IS FROM THE OGILVIE BRIDGE NEAR DAWSON CITY



PLATE 10 WATER QUALITY STATION 00YT09EA0001
LOOKING DOWNSTREAM KLONDIKE RIVER THROUGH THE
KLONDIKE HIGHWAY BRIDGE AT DAWSON CITY

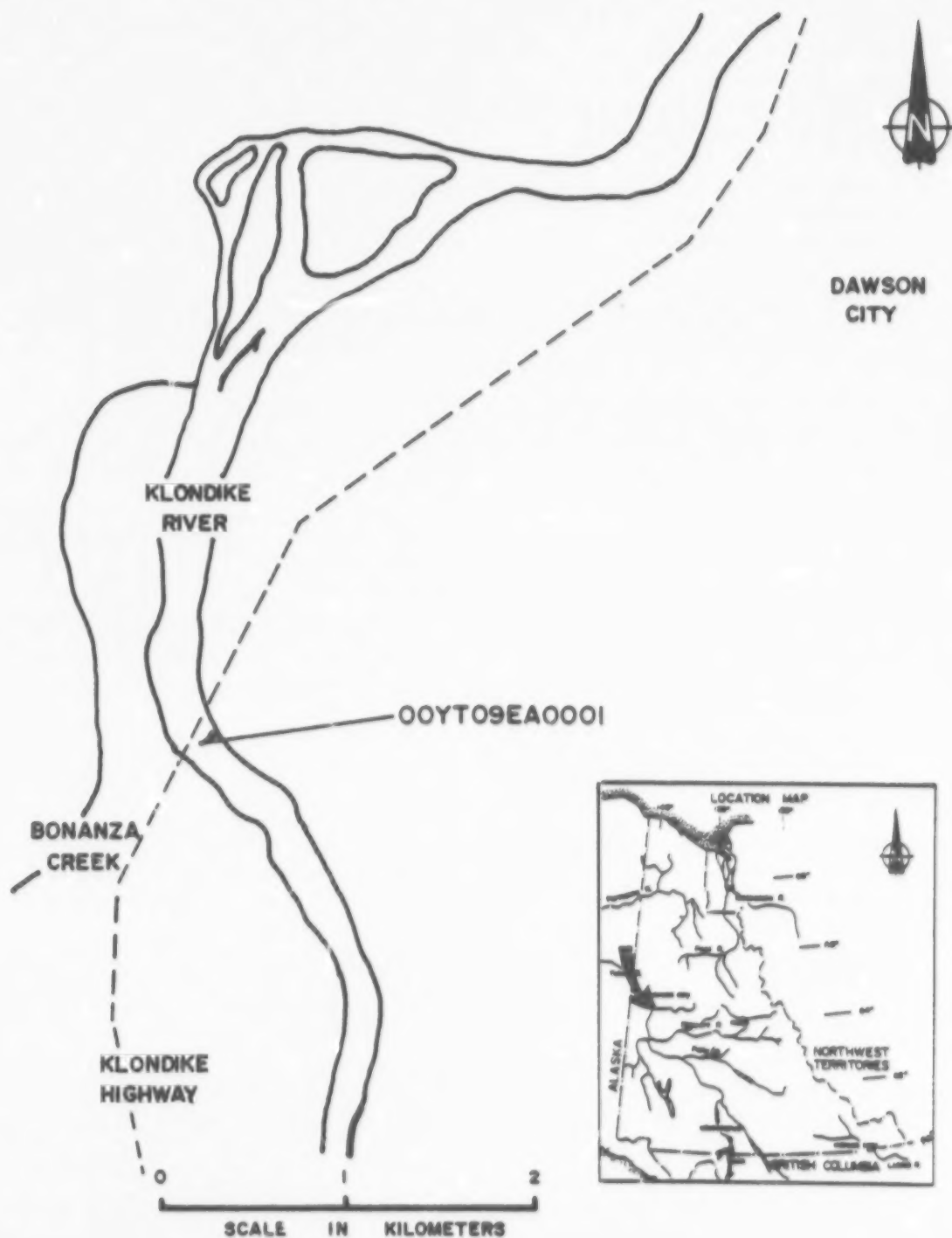


FIGURE 5 KLONDIKE RIVER AT DAWSON CITY
WATER QUALITY STATION O0YT09EA000I

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER OCYT09EA0001

REPORT
KLONDIKE RIVER AT DAWSON

PACIFIC AND YUKON REGION

DO	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLOR	ALKP
9	7	1982	1038	5		0.0	12.5000	7.9000	120.0000	0.0	7.9000	177.0000	2.2000	5.0000	0.0
9	7	1982	1049	5		0.0	12.5000	7.9000	120.0000	0.0	7.9000	174.0000	1.4000	5.0000	0.0
8	9	1982	1125	9		14.0000	9.0000	8.2000	0.0	21.7000	7.9000	218.5000	2.5000	10.0000	0.0
15	9	1982	1010	9		9.0000	7.0000	0.0	0.0	21.9000	7.9000	275.1001	1.3000	15.0000	0.0
22	9	1982	1004	9		0.0	4.0000	0.0	0.0	22.1000	7.8900	244.4000	3.0000	7.0000	0.0
29	9	1982	1530	9		6.0000	4.0000	0.0	0.0	22.1000	7.9000	221.1000	0.8000	5.0000	0.0
13	10	1982	745	9		-2.0000	0.0	0.0	0.0	11.3000	8.1000	245.4000	0.4200	5.0000	0.0
20	10	1982	915	9		-6.0000	-2.0000	0.0	0.0	15.2000	7.9000	224.3000	0.4800	3.0000	0.0
27	10	1982	945	9		-29.0000	-3.0000	0.0	0.0	14.6000	7.8000	321.7000	0.2700	3.0000	0.0
1	11	1982	900	9		-23.0000	-3.0000	0.0	0.0	20.6000	7.9000	362.0000	0.1100	5.0000	0.0
10	11	1982	945	9		-18.5000	-2.0000	7.0000	0.0	21.3000	8.2000	432.0000	0.1600	5.0000	0.0
17	11	1982	850	9		-32.0000	-3.0000	7.3000	0.0	21.3000	7.6000	318.0000	0.2000	7.0000	0.0
24	11	1982	850	0		-18.0000	-1.0000	0.0	0.0	22.7000	7.9000	291.0000	0.1800	5.0000	0.0
1	12	1982	915	9		-18.0000	-2.0000	7.1000	0.0	22.2000	7.6000	348.0000	0.1700	5.0000	0.0
8	12	1982	845	9		-18.0000	-1.5000	7.1000	0.0	18.2000	8.2000	366.0000	0.1100	5.0000	0.0
15	12	1982	900	9		-11.0000	-1.0000	7.3000	0.0	18.7000	7.7500	336.0000	0.1700	5.0000	0.0
22	12	1982	1200	9		-34.0000	-2.0000	7.1000	0.0	18.9000	7.5000	331.0000	0.1700	5.0000	0.0
29	12	1982	1050	9		-13.0000	-2.0000	7.2000	0.0	20.0000	8.1500	326.0000	0.3200	5.0000	0.0
5	1	1983	1100	9		-45.0000	-2.5000	7.1000	0.0	20.2000	8.0000	335.0000	0.2500	5.0000	0.0
12	1	1983	1100	9		-45.0000	-2.0000	7.1000	0.0	20.8000	7.8500	313.0000	0.2800	5.0000	0.0
18	1	1983	1015	9		-15.0000	-2.0000	7.2000	0.0	21.3000	8.0000	404.0000	0.1600	5.0000	0.0
26	1	1983	930	9		-30.0000	-3.0000	7.0000	0.0	21.9000	8.1000	275.0000	0.2500	5.0000	0.0
2	2	1983	940	9		-17.0000	5.0000	0.0	0.0	21.7000	8.1000	301.0000	0.2300	5.0000	0.0
9	2	1983	900	9		-12.0000	-2.0000	7.1000	0.0	21.0000	8.1000	353.0000	0.1200	5.0000	0.0
16	2	1983	905	9		-40.0000	-2.0000	7.1000	0.0	23.3000	7.9000	317.0000	0.1500	5.0000	0.0
23	2	1983	910	9		-29.0000	-2.0000	7.1000	0.0	23.2000	7.9000	317.0000	0.1100	5.0000	0.0
2	3	1983	910	9		-17.0000	-2.0000	7.0000	0.0	20.4000	7.9000	329.0000	0.1000	5.0000	0.0
8	3	1983	845	9		-35.0000	-2.0000	7.0000	0.0	21.4000	8.0000	319.0000	0.2100	5.0000	0.0
16	3	1983	845	9		-21.0000	-1.5000	6.8000	0.0	21.0000	7.9000	322.0000	0.1200	5.0000	0.0
23	3	1983	845	9		-24.0000	-1.5000	6.9000	0.0	22.4000	7.9000	313.0000	0.4100	5.0000	0.0
30	3	1983	845	9		-12.0000	-1.5000	6.9000	0.0	21.1000	7.8500	296.0000	0.1500	5.0000	0.0
6	4	1983	845	9		-8.0000	-1.5000	7.1000	0.0	20.9000	7.6500	226.0000	148.0000	55.0000	0.0
13	4	1983	900	9		-2.0000	-1.5000	7.1000	0.0	20.9000	7.5500	162.0000	4.2000	90.0000	0.0
20	4	1983	845	9		1.0000	1.5000	7.1000	0.0	21.5000	7.5000	171.0000	4.4000	100.0000	0.0
26	4	1983	945	9		4.9000	1.5000	7.2000	0.0	21.1000	7.7000	219.0000	6.4000	30.0000	0.0
4	5	1983	1030	9		0.0	-0.5000	7.0000	0.0	22.0000	7.6000	110.0000	38.0000	30.0000	0.0
11	5	1983	1045	9		10.0000	1.0000	7.0000	0.0	21.4000	7.8000	106.0000	45.0000	50.0000	0.0
18	5	1983	1000	9		2.0000	1.0000	7.1000	0.0	21.8000	7.6000	165.0000	4.7000	10.0000	0.0
25	5	1983	1030	9		11.0000	1.5000	7.1000	0.0	21.3000	7.6000	170.0000	20.0000	10.0000	0.0
1	6	1983	1000	9		15.0000	7.0000	7.0000	0.0	21.6000	7.5000	154.0000	1.3000	20.0000	0.0
1	6	1983	1435	3		26.0000	11.5000	7.0000	78.0000	22.5000	7.8000	184.0000	0.4600	5.0000	0.0
9	6	1983	1300	9		10.0000	7.0000	7.1000	0.0	21.8000	7.6000	187.0000	0.2700	5.0000	0.0
15	6	1983	1120	9		14.0000	7.0000	7.1000	0.0	21.3000	7.5000	199.0000	0.2700	5.0000	0.0
22	6	1983	1201	9		21.0000	8.0000	7.1000	0.0	20.8000	7.6500	224.0000	22.0000	15.0000	0.0
29	6	1983	1130	9		20.0000	8.0000	7.1000	0.0	20.8000	8.0000	225.0000	5.4000	10.0000	0.0
6	7	1983	830	9		15.0000	11.0000	7.1000	0.0	21.0000	8.1000	230.0000	0.8000	10.0000	0.0
13	7	1983	1030	9		24.0000	12.0000	7.0000	0.0	21.0000	8.1000	230.0000	0.8000	10.0000	0.0
20	7	1983	1000	9		14.1000	12.0000	7.0000	0.0	21.0000	8.1000	230.0000	0.8000	10.0000	0.0
28	7	1983	1330	9		17.0000	12.0000	7.0000	0.0	21.0000	8.1000	230.0000	0.8000	10.0000	0.0
3	8	1983	905	9		15.0000	10.0000	7.0000	0.0	21.0000	8.1000	230.0000	0.8000	10.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTOSEA0001 KLOMOTKE RIVER AT DAMSON PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
10	8	1983	1001	9		15.0000	11.0000	7.0000	0.0	23.2000	8.1800	249.0000	0.7800	5.0000	0.0
17	8	1983	1031	9		11.0000	8.0000	7.1000	0.0	23.7000	7.8000	234.0000	11.0000	5.0000	0.0
24	8	1983	840	9		11.0000	9.0000	7.1000	0.0	23.5000	7.7500	233.0000	12.0000	10.0000	0.0
31	8	1983	1100	9		8.0000	7.0000	7.0000	0.0	22.5000	7.6500	225.0000	2.5500	15.0000	0.0
14	9	1983	1130	9		4.0000	4.0000	7.0000	0.0	22.6000	7.9000	223.0000	0.9000	5.0000	0.0
21	9	1983	1230	9		12.0000	7.0000	7.1000	0.0	21.9000	7.8000	232.0000	15.5000	15.0000	0.0
30	9	1983	1330	9		4.0000	3.0000	7.1000	0.0	22.0000	7.9000	240.0000	1.6000	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00Y05GA0001

REPORT
KLONDIKE RIVER AT DAWSON

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	MA-D	CL-D	F-D	S102	S04
9	7	1982	1038	5	60.4000	90.0000	24.7000	0.0	0.2000	1.4000	0.2000	0.0500	5.7000	28.5000
9	7	1982	1049	5	60.1000	90.2000	24.9000	0.0	0.3000	1.6000	0.3000	0.0500	5.7000	28.0000
8	9	1982	1125	9	72.6000	110.8000	30.7000	8.3000	0.4000	1.8000	0.3000	0.0500	5.9000	39.0000
15	9	1982	1010	9	91.2000	144.2000	39.4000	11.1000	0.5000	3.0000	0.8000	0.0500	6.3000	51.0000
22	9	1982	1004	9	80.1000	126.7000	34.8000	9.7000	0.5000	2.4000	0.4000	0.0800	6.0000	45.0000
29	9	1982	1530	9	75.1000	115.1000	32.0000	8.5000	0.4000	2.1000	0.3000	0.0610	5.7000	39.5000
13	10	1982	745	9	76.2000	119.3000	33.3000	8.8000	0.4000	2.2000	0.2000	0.0600	5.6000	42.5000
20	10	1982	915	9	77.1000	119.1000	33.4000	8.6600	0.5000	2.3000	0.3000	0.0500	5.8000	42.0000
27	10	1982	945	9	88.0000	137.3000	37.4000	10.7000	0.6000	2.6000	0.5000	0.0600	6.9000	49.5000
1	11	1982	900	9	98.8000	159.3000	43.0000	12.6000	0.6000	3.4000	1.0000	0.0500	7.1000	58.5000
10	11	1982	945	9	115.9000	191.4000	48.9000	16.1000	0.7000	4.1000	1.3000	0.0700	7.1000	68.5000
17	11	1982	850	9	138.6000	232.4000	60.6000	19.6000	1.0000	5.5000	2.0000	0.0700	8.1000	91.5000
24	11	1982	0	9	106.9000	169.2000	45.3000	13.6000	0.6000	3.5000	0.9000	0.0600	7.2000	59.0000
1	12	1982	915	9	94.7000	148.0000	40.2000	11.8000	0.6000	3.1000	0.9000	0.0730	6.9000	53.0000
8	12	1982	845	9	114.0000	183.0000	48.4000	15.1000	0.6000	4.1000	1.3000	0.0780	7.4000	66.5000
15	12	1982	900	9	118.0000	192.0000	50.6000	16.0000	0.8000	4.5000	1.5000	0.0840	7.8000	72.5000
22	12	1982	1200	9	110.0000	175.0000	46.6000	14.2000	0.8000	3.8000	1.1000	0.0780	7.4000	64.0000
29	12	1982	1050	9	109.0000	173.0000	46.5000	13.9000	0.7000	3.8000	1.2000	0.0750	7.4000	62.0000
5	1	1983	1030	9	108.0000	171.0000	45.6000	13.9000	0.7000	3.7000	1.1000	0.0730	7.3000	62.0000
12	1	1983	1100	9	112.0000	176.0000	46.2000	14.7000	0.7000	3.7000	1.1000	0.0730	7.3000	62.0000
19	1	1983	1015	9	104.0000	162.0000	43.8000	12.8000	0.6000	3.5000	0.9000	0.0670	7.3000	56.5000
26	1	1983	930	9	137.0000	214.0000	56.0000	18.0000	0.9000	4.7000	1.7000	0.0780	8.0000	76.0000
2	2	1983	940	9	92.2000	140.0000	38.3000	10.8000	0.5000	2.8000	0.6000	0.0650	6.8000	47.5000
9	2	1983	900	9	101.0000	156.0000	42.4000	12.2000	0.6000	3.2000	0.9000	0.0660	7.1000	56.0000
16	2	1983	0	9	118.0000	185.0000	49.4000	15.0000	0.7000	3.6000	1.2000	0.0730	7.6000	62.5000
23	2	1983	905	9	108.0000	167.0000	44.7000	13.5000	0.6000	3.5000	1.0000	0.0700	7.2000	58.5000
2	3	1983	910	9	109.0000	165.0000	44.2000	13.3000	0.6000	3.3000	0.9000	0.0700	7.2000	60.0000
9	3	1983	0	9	112.0000	172.0000	46.2000	13.6000	0.7000	3.5000	1.0000	0.0700	7.4000	62.0000
16	3	1983	845	9	111.0000	165.0000	44.3000	13.2000	0.6000	3.2000	0.8000	0.0660	7.4000	58.5000
23	3	1983	845	9	110.0000	168.0000	44.9000	13.6000	0.6000	3.3000	0.8000	0.0620	7.4000	56.0000
30	3	1983	845	9	112.0000	168.0000	44.7000	13.7000	0.8000	3.3000	0.9000	0.0780	8.1000	55.0000
6	4	1983	845	9	107.0000	164.0000	42.8000	13.9000	0.7000	3.2000	0.8000	0.0650	7.2000	54.5000
13	4	1983	900	9	100.0000	154.0000	40.5000	12.8000	0.6000	3.2000	0.8000	0.0690	7.0000	51.5000
20	4	1983	845	9	104.0000	166.0000	43.9000	13.7000	0.6000	3.2000	0.8000	0.0710	6.8000	55.5000
26	4	1983	945	9	69.6000	113.0000	26.6000	11.3000	1.0000	2.7000	1.0000	0.0820	6.0000	41.5000
4	5	1983	1030	9	69.1000	119.0000	32.5000	9.2000	0.8000	2.5000	1.4000	0.0790	6.1000	45.5000
11	5	1983	1045	9	50.0000	83.9000	23.1000	6.4000	0.6000	1.6000	0.8000	0.0680	5.2000	27.5000
18	5	1983	1000	9	56.1000	88.7000	25.5000	6.1000	0.5000	1.7000	0.7000	0.0670	5.2000	28.0000
25	5	1983	1030	9	69.0000	110.0000	29.6000	8.8000	0.6000	2.2000	0.6000	0.1470	5.6000	37.5000
1	6	1983	1435	3	32.3000	50.2000	13.6000	4.4000	0.8000	0.8000	0.5000	0.0730	4.5000	17.6000
8	6	1983	1300	9	54.3000	80.1000	22.0000	6.1000	0.9000	0.9000	0.7000	0.0500	4.4000	16.6000
15	6	1983	1120	9	58.2000	85.6000	23.4000	6.6000	0.4000	1.7000	0.4000	0.0600	5.6000	26.0000
22	6	1983	1301	9	50.2000	75.8000	21.2000	5.6000	0.4000	1.6000	0.3000	0.0620	5.7000	30.0000
29	6	1983	1130	9	61.7000	93.7000	25.8000	7.1000	0.4000	1.3000	0.5000	0.0690	5.8000	30.0000
6	7	1983	930	9	51.9000	94.0000	27.2000	6.3000	0.4000	1.7000	0.3000	0.0730	6.0000	31.5000
13	7	1983	1030	9	67.0000	98.7000	28.1000	7.2000	0.4000	1.7000	0.3000	0.1080	6.0000	34.5000
20	7	1983	1000	9	71.9000	111.0000	30.5000	8.5000	0.6000	2.2000	0.4000	0.1020	6.3000	39.5000
28	7	1983	1330	9	73.6000	114.0000	31.3000	8.7000	0.6000	2.1000	0.5000	0.1250	6.3000	38.5000
3	8	1983	905	9	76.2000	117.0000	32.6000	8.6000	0.5000	2.4000	0.5000	0.0940	5.9000	34.5000

DATA ON FILE AS OF 12:25 P.M. NOV. 25, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER C0Y09EA0001 KLONGDINE RIVER AT DAWSON PACIFIC AND YUKON REGION

DO	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
10	8	1983	1001	9	79.4000	126.0000	34.8000	9.4000	0.7000	2.6000	0.7000	0.1230	6.5000	46.0000
17	8	1983	1031	9	73.7000	116.0000	32.6000	8.4000	0.5000	2.1000	0.5000	0.1380	6.4000	42.5000
24	8	1983	0840	9	74.8000	117.0000	32.6000	8.6000	0.5000	2.3000	0.4000	0.1010	6.5000	40.0000
31	8	1983	1100	9	72.4000	112.0000	31.6000	8.0000	0.5000	2.1000	0.5000	0.1390	6.4000	38.0000
14	9	1983	1130	9	75.8000	115.0000	32.1000	8.5000	0.4000	2.0000	0.3000	0.0410	6.1000	38.5000
21	9	1983	1330	9	77.0000	117.0000	32.6000	8.6000	0.6000	2.2000	0.6000	0.0490	6.2000	40.0000
30	9	1983	1330	9	77.8000	121.0000	33.0000	9.4000	0.5000	2.4000	0.5000	0.0860	6.2000	40.5000

DATA ON FILE AS OF 12:25 P.M. NOV. 28, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER C0VY09EA0001

REPORT
KLONDIKE RIVER AT DAWSON

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	W-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
9	7	1982	1038	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7	1982	1049	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1125	9	0.0500	1.0000	134.0000	0.0	131.0000	0.0001	0.0004	0.0	0.0	0.0
15	9	1982	1010	9	0.1370	5.0000	160.0000	0.0	153.0000	0.0003	0.0004	0.0	0.0	0.0
22	9	1982	1004	9	0.0890	9.0000	143.0000	1.0000	125.0000	0.0003	0.0004	0.0	0.0	0.0
28	9	1982	1530	9	0.1180	7.0000	138.0000	6.0000	118.0000	0.0003	0.0001	0.0	0.0	0.0
13	10	1982	745	9	0.0770	5.0000	143.0000	4.0000	134.0000	0.0003	0.0001	0.0	0.0	0.0
20	10	1982	915	9	0.1480	0.0	0.0	0.0	0.0	0.0002	0.0004	0.0	0.0	0.0
27	10	1982	945	9	0.1230	10.0000	164.0000	8.0000	142.0000	0.0001	0.0005	0.0	0.0	0.0
1	11	1982	900	9	0.1490	0.0	0.0	0.0	0.0	0.0002	0.0005	0.0	0.0	0.0
10	11	1982	945	9	0.1840	6.0000	224.0000	0.0	194.0000	0.0002	0.0006	0.0	0.0	0.0
17	11	1982	850	9	0.1250	6.0000	356.0000	0.0	328.0000	0.0002	0.0004	0.0	0.0	0.0
24	11	1982	0	9	0.2090	4.0000	206.0000	4.0000	162.0000	0.0001	0.0003	0.0	0.0	0.0
1	12	1982	915	9	1.2300	8.0000	180.0000	2.0000	136.0000	0.0001	0.0007	0.0	0.0	0.0
8	12	1982	845	9	0.2920	0.0	0.0	0.0	0.0	0.0002	0.0007	0.0	0.0	0.0
15	12	1982	900	9	0.1780	0.0	0.0	0.0	0.0	0.0002	0.0010	0.0	0.0	0.0
22	12	1982	1200	9	0.1620	0.0	0.0	0.0	0.0	0.0001	0.0009	0.0	0.0	0.0
28	12	1982	1050	9	0.2070	0.0	0.0	0.0	0.0	0.0002	0.0010	0.0	0.0	0.0
5	1	1983	1030	9	0.9420	0.0	264.0000	0.0	234.0000	0.0002	0.0010	0.0	0.0	0.0
12	1	1983	1100	9	0.9670	6.0000	272.0000	0.0	222.0000	0.0002	0.0011	0.0	0.0	0.0
19	1	1983	1015	9	0.1890	2.0000	240.0000	2.0000	204.0000	0.0002	0.0011	0.0	0.0	0.0
26	1	1983	930	9	0.1640	2.0000	280.0000	0.0	170.0000	0.0002	0.0009	0.0	0.0	0.0
2	2	1983	940	9	0.2080	4.0000	120.0000	0.0	162.0000	0.0001	0.0008	0.0	0.0	0.0
9	2	1983	900	9	0.1730	24.0000	206.0000	4.0000	112.0000	0.0002	0.0007	0.0	0.0	0.0
16	2	1983	905	9	0.1640	2.0000	231.0000	1.0000	76.0000	0.0001	0.0007	0.0	0.0	0.0
23	2	1983	905	9	0.6130	1.0000	191.0000	0.0	207.0000	0.0002	0.0007	0.0	0.0	0.0
2	3	1983	910	9	0.1690	1.0000	212.0000	0.0	134.0000	0.0001	0.0007	0.0	0.0	0.0
9	3	1983	0	9	0.1780	1.0000	225.0000	0.0	190.0000	0.0002	0.0005	0.0	0.0	0.0
16	3	1983	845	9	0.2170	1.0000	211.0000	0.0	209.0000	0.0001	0.0004	0.0	0.0	0.0
23	3	1983	845	9	0.1900	19.0000	263.0000	5.0000	79.0000	0.0002	0.0004	0.0	0.0	0.0
30	3	1983	845	9	0.2030	11.0000	295.0000	3.0000	225.0000	0.0001	0.0010	0.0	0.0	0.0
6	4	1983	845	9	0.3530	12.0000	168.0000	9.0000	266.0000	0.0001	0.0006	0.0	0.0	0.0
13	4	1983	900	9	0.1770	1.0000	189.0000	0.0	153.0000	0.0001	0.0006	0.0	0.0	0.0
20	4	1983	845	9	0.1310	20.0000	191.0000	12.0000	98.0000	0.0002	0.0005	0.0	0.0	0.0
26	4	1983	845	9	0.1090	143.0000	216.0000	78.0000	160.0000	0.0003	0.0005	0.0	0.0	0.0
4	5	1983	1030	9	0.3040	15.0000	225.0000	12.0000	174.0000	0.0010	0.0003	0.0	0.0	0.0
11	5	1983	1045	9	0.0590	277.0000	127.0000	254.0000	160.0000	0.0008	0.0004	0.0	0.0	0.0
18	5	1983	1000	9	0.0540	0.0	0.0	0.0	72.0000	0.0007	0.0003	0.0	0.0	0.0
25	5	1983	1030	9	0.0550	62.0000	147.0000	48.0000	0.0	0.0007	0.0004	0.0	0.0	0.0
1	6	1983	1000	9	0.0460	408.0000	82.0000	372.0000	105.0000	0.0011	0.0005	0.0	0.0	0.0
8	6	1983	1335	3	0.0620	1189.0000	94.0000	1094.0000	42.0000	0.0051	0.0004	0.0	0.0	0.0
15	6	1983	1300	9	0.1150	28.0000	111.0000	19.0000	71.0000	0.0023	0.0006	0.0	0.0	0.0
22	6	1983	1301	9	0.0790	16.0000	107.0000	13.0000	57.0000	0.0005	0.0004	0.0	0.0	0.0
29	6	1983	1130	9	0.0540	115.0000	107.0000	97.0000	89.0000	0.0003	0.0005	0.0	0.0	0.0
6	7	1983	930	8	0.1480	2.0000	93.0000	1.0000	23.0000	0.0007	0.0004	0.0	0.0	0.0
13	7	1983	1030	9	0.0350	21.0000	145.0000	10.0000	60.0000	0.0002	0.0006	0.0	0.0	0.0
20	7	1983	1000	9	0.0880	20.0000	194.0000	8.0000	62.0000	0.0004	0.0004	0.0	0.0	0.0
28	7	1983	1330	8	0.1310	291.0000	128.0000	273.0000	129.0000	0.0003	0.0005	0.0	0.0	0.0
3	8	1983	905	8	0.0420	46.0000	173.0000	46.0000	108.0000	0.0012	0.0002	0.0	0.0	0.0
					0.0400	25.0000	240.0000	20.0000	116.0000	0.0009	0.0005	0.0	0.0	0.0
									180.0000	0.0002	0.0005	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09EA0001 KLONDIKE RIVER AT DAWSON PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
10	8	1983	1001	9	0.0490	14.0000	219.0000	4.0000	172.0000	0.0002	0.0006	0.0	0.0	0.0
17	8	1983	1031	9	0.0580	50.0000	176.0000	44.0000	108.0000	0.0006	0.0006	0.0	0.0	0.0
24	8	1983	840	8	0.0500	55.0000	199.0000	33.0000	128.0000	0.0005	0.0006	0.0	0.0	0.0
31	8	1983	1100	9	0.0940	26.0000	184.0000	13.0000	142.0000	0.0005	0.0006	0.0	0.0	0.0
14	9	1983	1130	8	0.0620	3.0000	157.0000	1.0000	134.0000	0.0003	0.0005	0.0	0.0	0.0
21	9	1983	1330	8	0.0480	38.0000	192.0000	33.0000	114.0000	0.0036	0.0006	0.0	0.0	0.0
30	9	1983	1330	8	0.0950	13.0000	177.0000	6.0000	131.0000	0.0003	0.0005	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09EA0001
 PACIFIC AND YUKON REGION
 KLONDIKE RIVER AT DAWSON

DD	MM	YEAR	HR	NN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
9	7	1982	1038	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7	1982	1049	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1125	9		0.0	0.0	0.0	0.0	0.0	0.0070	0.0	18.0000	5.3000	0.0
15	9	1982	1010	9		0.0	0.0	0.0	0.0	0.0580	0.0070	0.0	23.0000	4.9000	0.0
22	8	1982	1004	9		0.0	0.0	0.0	0.0	0.4600	0.0240	0.0	18.0000	5.1000	0.0
29	9	1982	1530	9		0.0	0.0	0.0	0.0	0.1920	0.0080	0.0	18.0000	4.2000	0.0
13	10	1982	745	9		0.0	0.0	0.0	0.0	0.2290	0.0120	0.0	17.0000	5.4000	0.0
20	10	1982	915	9		0.0	0.0	0.0	0.0	0.2780	0.0120	0.0	18.0000	4.1000	0.0
27	10	1982	945	9		0.0	0.0	0.0	0.0	0.1960	0.0070	0.0	21.0000	4.5000	0.0
1	11	1982	900	9		0.0	0.0	0.0	0.0	0.2390	0.0040	0.0	27.0000	2.7000	0.0
10	11	1982	945	9		0.0	0.0	0.0	0.0	0.2720	0.0080	0.0	29.0000	4.5000	0.0
17	11	1982	850	9		0.0	0.0	0.0	0.0	0.2580	0.0020	0.0	41.0000	4.0000	0.0
24	11	1982	0	9		0.0	0.0	0.0	0.0	0.2920	0.0180	0.0	22.0000	4.9000	0.0
1	12	1982	915	9		0.0	0.0	0.0	0.0	1.8700	0.0240	0.0	24.0000	4.1000	0.0
8	12	1982	845	9		0.0	0.0	0.0	0.0	0.4810	0.0050	0.0	28.0000	3.9000	0.0
15	12	1982	900	9		0.0	0.0	0.0	0.0	0.2850	0.0120	0.0	29.0000	5.8000	0.0
22	12	1982	1200	9		0.0	0.0	0.0	0.0	0.2260	0.0030	0.0	28.0000	4.4000	0.0
29	12	1982	1050	9		0.0	0.0	0.0	0.0	0.2650	0.0100	0.0	28.0000	4.9000	0.0
5	1	1983	1030	9		0.0	0.0	0.0	0.0	1.0600	0.0060	0.0	28.0000	4.6000	0.0
12	1	1983	1100	9		0.0	0.0	0.0	0.0	1.0100	0.0060	0.0	27.0000	5.9000	0.0
19	1	1983	1015	9		0.0	0.0	0.0	0.0	0.2550	0.0030	0.0	26.0000	5.9000	0.0
26	1	1983	930	9		0.0	0.0	0.0	0.0	0.2870	0.0660	0.0	41.0000	4.6000	0.0
2	2	1983	940	9		0.0	0.0	0.0	0.0	0.2730	0.0110	0.0	26.0000	5.5000	0.0
9	2	1983	900	9		0.0	0.0	0.0	0.0	0.2410	0.0040	0.0	24.0000	6.0000	0.0
16	2	1983	805	9		0.0	0.0	0.0	0.0	0.2370	0.0030	0.0	27.0000	6.8000	0.0
23	2	1983	910	9		0.0	0.0	0.0	0.0	0.8570	0.0170	0.0	25.0000	5.8000	0.0
2	3	1983	0	9		0.0	0.0	0.0	0.0	0.2220	0.0050	0.0	31.0000	1.7000	0.0
9	3	1983	845	9		0.0	0.0	0.0	0.0	0.2400	0.0030	0.0	31.0000	2.0000	0.0
16	3	1983	845	9		0.0	0.0	0.0	0.0	0.3010	0.0030	0.0	31.0000	4.2000	0.0
23	3	1983	845	9		0.0	0.0	0.0	0.0	0.2660	0.0070	0.0	30.0000	3.4000	0.0
30	3	1983	845	9		0.0	0.0	0.0	0.0	0.2760	0.0030	0.0	31.0000	5.4000	0.0
6	4	1983	845	9		0.0	0.0	0.0	0.0	0.5100	0.0050	0.0	27.0000	6.0000	0.0
13	4	1983	900	9		0.0	0.0	0.0	0.0	0.2630	0.0040	0.0	28.0000	0.7300	0.0
20	4	1983	845	9		0.0	0.0	0.0	0.0	0.2190	0.0140	0.0	17.0000	1.9000	0.0
26	4	1983	845	9		0.0	0.0	0.0	0.0	0.3970	0.0700	0.0	16.0000	16.0000	0.0
4	5	1983	1030	9		0.0	0.0	0.0	0.0	0.6780	0.0400	0.0	16.0000	21.0000	0.0
11	5	1983	1045	9		0.0	0.0	0.0	0.0	0.3720	0.2170	0.0	12.0000	24.0000	0.0
18	5	1983	1000	9		0.0	0.0	0.0	0.0	0.2640	0.0630	0.0	13.0000	21.0000	0.0
25	5	1983	1030	9		0.0	0.0	0.0	0.0	0.2100	0.0850	0.0	18.0000	8.6000	0.0
1	6	1983	1000	9		0.0	0.0	0.0	0.0	0.1960	0.8850	0.0	9.4000	17.0000	0.0
8	6	1983	1435	3		0.0	0.0	0.0	0.0	0.2230	1.8400	0.0	9.0000	33.0000	0.0
15	6	1983	1300	9		0.0	0.0	0.0	0.0	0.1700	0.0380	0.0	15.0000	3.4000	0.0
22	6	1983	1301	9		0.0	0.0	0.0	0.0	0.1590	0.0270	0.0	15.0000	13.0000	0.0
29	6	1983	1130	9		0.0	0.0	0.0	0.0	0.1930	0.1430	0.0	13.0000	9.8000	0.0
6	7	1983	930	9		0.0	0.0	0.0	0.0	0.2090	0.0360	0.0	15.0000	5.7000	0.0
13	7	1983	1030	9		0.0	0.0	0.0	0.0	0.1110	0.0390	0.0	16.0000	1.3000	0.0
20	7	1983	1000	9		0.0	0.0	0.0	0.0	0.1410	0.0120	0.0	18.0000	0.9300	0.0
28	7	1983	1330	9		0.0	0.0	0.0	0.0	0.3010	0.2200	0.0	19.0000	8.4000	0.0
3	8	1983	905	9		0.0	0.0	0.0	0.0	0.1650	0.0870	0.0	19.0000	3.3000	0.0
						0.0	0.0	0.0	0.0	0.1500	0.0230	0.0	20.0000	3.4000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08EA0001 KLONDIKE RIVER AT DAWSON PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
10	8	1983	1001	9	0.0	0.0	0.0	0.0	0.1690	0.0160	0.0	20.0000	1.5000	0.0
17	8	1983	1031	9	0.0	0.0	0.0	0.0	0.1530	0.0280	0.0	18.0000	3.5000	0.0
24	8	1983	840	9	0.0	0.0	0.0	0.0	0.1590	0.0640	0.0	22.0000	1.1000	0.0
31	8	1983	1100	9	0.0	0.0	0.0	0.0	0.2140	0.0180	0.0	20.0000	3.2000	0.0
14	9	1983	1130	9	0.0	0.0	0.0	0.0	0.1480	0.0120	0.0	20.0000	2.9000	0.0
21	9	1983	1330	9	0.0	0.0	0.0	0.0	0.1320	0.0490	0.0	20.0000	3.8000	0.0
30	9	1983	1330	9	0.0	0.0	0.0	0.0	0.1820	0.0080	0.0	19.0000	4.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09EA0001 KLONDIKE RIVER AT DAWSON PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
9	7	1982	1038	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	7	1982	1049	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1125	5		0.0	0.0	0.0	0.0	0.030	0.2900	0.0030	0.0100	0.0500	0.0010
15	9	1982	1010	9		0.0	0.0	0.0	0.0	0.0010	0.1100	0.0010	0.0100	0.0500	0.0020
22	9	1982	1004	9		0.0	0.0	0.0	0.0	0.0030	0.4700	0.0030	0.0200	0.0500	0.0010
29	9	1982	1530	9		0.0	0.0	0.0	0.0	0.0030	0.1900	0.0010	0.0100	0.0500	0.0300
13	10	1982	745	9		0.0	0.0	0.0	0.0	0.0010	0.2600	0.0030	0.0200	0.0500	0.0010
20	10	1982	915	9		0.0	0.0	0.0	0.0005	0.0020	0.3300	0.0030	0.0200	0.0	0.0170
27	10	1982	845	9		0.0	0.0	0.0	0.0	0.0020	0.0700	0.0020	0.0200	0.0500	0.0010
1	11	1982	900	9		0.0	0.0	0.0	0.0	0.0010	0.0600	0.0020	0.0200	0.0500	0.0010
10	11	1982	945	9		0.0	0.0	0.0	0.0	0.0030	0.0600	0.0060	0.0100	0.0500	0.0060
17	11	1982	850	9		0.0	0.0	0.0	0.0	0.0040	0.0500	0.0010	0.0100	0.0500	0.0140
24	11	1982	0	9		0.0	0.0	0.0	0.0	0.0030	0.0800	0.0020	0.0100	0.0500	0.0500
1	12	1982	915	9		0.0	0.0	0.0	0.0	0.0020	0.0900	0.0030	0.0200	0.0500	0.0030
8	12	1982	845	9		0.0	0.0	0.0	0.0	0.0010	0.0240	0.0010	0.0100	0.0500	0.0150
15	12	1982	900	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	12	1982	1200	9		0.0	0.0	0.0	0.0	0.0030	0.0300	0.0020	0.0100	0.0500	0.0140
29	12	1982	1050	9		0.0	0.0	0.0	0.0	0.0020	0.0260	0.0020	0.0100	0.0500	0.0120
5	1	1983	1030	9		0.0	0.0	0.0	0.0	0.0020	0.0280	0.0010	0.0100	0.0	0.0070
12	1	1983	1100	9		0.0	0.0	0.0	0.0	0.0010	0.1500	0.0020	0.0100	0.0700	0.0020
19	1	1983	1015	9		0.0	0.0	0.0	0.0	0.0020	0.0	0.0060	0.0100	0.0500	0.0100
26	1	1983	930	9		0.0	0.0	0.0	0.0	0.0010	0.1400	0.0010	0.0100	0.0500	0.0040
2	2	1983	840	9		0.0	0.0	0.0	0.0	0.0030	0.0190	0.0020	0.0100	0.0500	0.0010
9	2	1983	800	9		0.0	0.0	0.0	0.0	0.0020	0.0300	0.0030	0.0100	0.0500	0.0060
16	2	1983	0	9		0.0	0.0	0.0	0.0	0.0010	0.0010	0.0010	0.0100	0.0500	0.0020
23	2	1983	905	9		0.0	0.0	0.0	0.0	0.0030	0.0700	0.0010	0.0100	0.0500	0.0020
2	3	1983	910	9		0.0	0.0	0.0	0.0	0.0040	0.0270	0.0020	0.0100	0.0500	0.0010
9	3	1983	0	9		0.0	0.0	0.0	0.0	0.0010	0.0170	0.0020	0.0100	0.0500	0.0010
16	3	1983	845	9		0.0	0.0	0.0	0.0	0.0010	0.0010	0.0010	0.0100	0.0500	0.0020
23	3	1983	845	9		0.0	0.0	0.0	0.0	0.0010	0.0130	0.0040	0.0100	0.0500	0.0010
30	3	1983	845	9		0.0	0.0	0.0	0.0	0.0010	0.0140	0.0010	0.0100	0.0500	0.0010
6	4	1983	845	9		0.0	0.0	0.0	0.0	0.0040	0.0040	0.0020	0.0100	0.0500	0.0020
13	4	1983	800	9		0.0	0.0	0.0	0.0	0.0040	0.0600	0.0010	0.0100	0.0500	0.0020
20	4	1983	845	9		0.0	0.0	0.0	0.0	0.0080	0.1200	0.0010	0.0400	0.0500	0.0160
26	4	1983	945	9		0.0	0.0	0.0	0.0	0.0050	1.7000	0.0080	0.0800	0.0500	0.0120
4	5	1983	1030	9		0.0	0.0	0.0	0.0	0.0120	0.9000	0.0040	0.0400	0.0600	0.0040
11	5	1983	1045	9		0.0	0.0	0.0	0.0	0.0090	4.1000	0.0020	0.1200	0.0500	0.0140
18	5	1983	1000	9		0.0	0.0	0.0	0.0	0.0050	2.4000	0.0030	0.0500	0.1400	0.0080
25	5	1983	1030	9		0.0	0.0	0.0	0.0	0.0070	2.4000	0.0070	0.0600	0.0500	0.0100
1	6	1983	1000	9		0.0	0.0	0.0	0.0	0.0270	12.0000	0.0110	0.4600	0.0500	0.0900
1	6	1983	1435	3		0.0	0.0	0.0	0.0	0.0300	13.0000	0.0140	0.5200	0.0500	0.0900
8	6	1983	1300	9		0.0	0.0	0.0	0.0	0.0030	1.2000	0.0050	0.0200	0.0500	0.0130
15	6	1983	1120	9		0.0	0.0	0.0	0.0	0.0010	0.6500	0.0010	0.0300	0.0500	0.0140
22	6	1983	1301	9		0.0	0.0	0.0	0.0	0.0050	2.4000	0.0070	0.0800	0.0500	0.0050
29	6	1983	1130	9		0.0	0.0	0.0	0.0	0.0010	0.4800	0.0010	0.0100	0.0500	0.0050
6	7	1983	930	9		0.0	0.0	0.0	0.0	0.0040	0.6000	0.0020	0.0200	0.0500	0.0040
13	7	1983	1030	9		0.0	0.0	0.0	0.0	0.0010	0.1800	0.0010	0.0100	0.0500	0.0050
20	7	1983	1000	9		0.0	0.0	0.0	0.0	0.0100	5.0000	0.0120	0.1000	0.0500	0.0060
28	7	1983	1330	9		0.0	0.0	0.0	0.0	0.0060	2.4000	0.0070	0.0400	0.0500	0.0090
3	8	1983	905	9		0.0	0.0	0.0	0.0	0.0040	0.2400	0.0020	0.0100	0.0500	0.0020

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT05EA0001

PACIFIC AND YUKON REGION
 KLONDIKE RIVER AT DAWSON

DD	MM	YEAR	HR	MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
10	8	1983	1001	9		0.0	0.0	0.0	0.0	0.0020	0.3200	0.0030	0.0200	0.0500	0.0030
17	8	1983	1031	9		0.0	0.0	0.0	0.0	0.0050	0.8100	0.0030	0.0200	0.0500	0.0010
24	8	1983	840	9		0.0	0.0	0.0	0.0	0.0140	1.7000	0.0020	0.0400	0.0500	0.0140
31	8	1983	1100	9		0.0	0.0	0.0	0.0	0.0050	0.5600	0.0010	0.0200	0.0500	0.0100
14	9	1983	1130	9		0.0	0.0	0.0	0.0	0.0020	0.2900	0.0010	0.0200	0.0500	0.0030
21	9	1983	1330	9		0.0	0.0	0.0	0.0	0.0070	2.9000	0.0050	0.0400	0.0500	0.0120
30	9	1983	1330	9		0.0	0.0	0.0	0.0	0.0020	0.1900	0.0010	0.0200	0.0500	0.0050

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APPENDIX 2.5

00YT09DD0001 STEWART RIVER AT STEWART CROSSING

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by lay samplers from mid stream on the down stream side of the Klondike Highway bridge (538 km) at Stewart Crossing. Sample site is 2400 km from the mouth of the Yukon River.	LAT 63°22'56"N LONG 136°40'59"W	550 m (1800 ft)	35,000 km ² (13,500 mi ²)	weekly	FIGURE 1 FIGURE 6 PLATE 11 PLATE 12 MAP 115 P/7

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1961/73 - 1980/82 (WSC 09DD002, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	60.5*	50.4*	46.7*	52.8*	624*	1601	873	595	469	263*	123*	81.5*
MAXIMUM	83.5*	69.8*	68.2*	79.9*	859*	3150	1500	993	690	406*	154*	103*
MINIMUM	43.9*	34.7*	28.9*	37.4*	207*	1010	453	392	364	197*	88.1*	61.8*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									262	191*	92.2*	52.6*
1983	*	*	*	*	*							

* - ICE CONDITIONS

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PLATE 11 WATER QUALITY STATION 00YT09DD0001
LOOKING DOWNSTREAM STEWART RIVER THROUGH THE
KLONDIKE HIGHWAY BRIDGE AT STEWART CROSSING



PLATE 12 WATER QUALITY STATION 00YT09DD0001
LOOKING UPSTREAM STEWART RIVER THROUGH THE
KLONDIKE HIGHWAY BRIDGE AT STEWART CROSSING

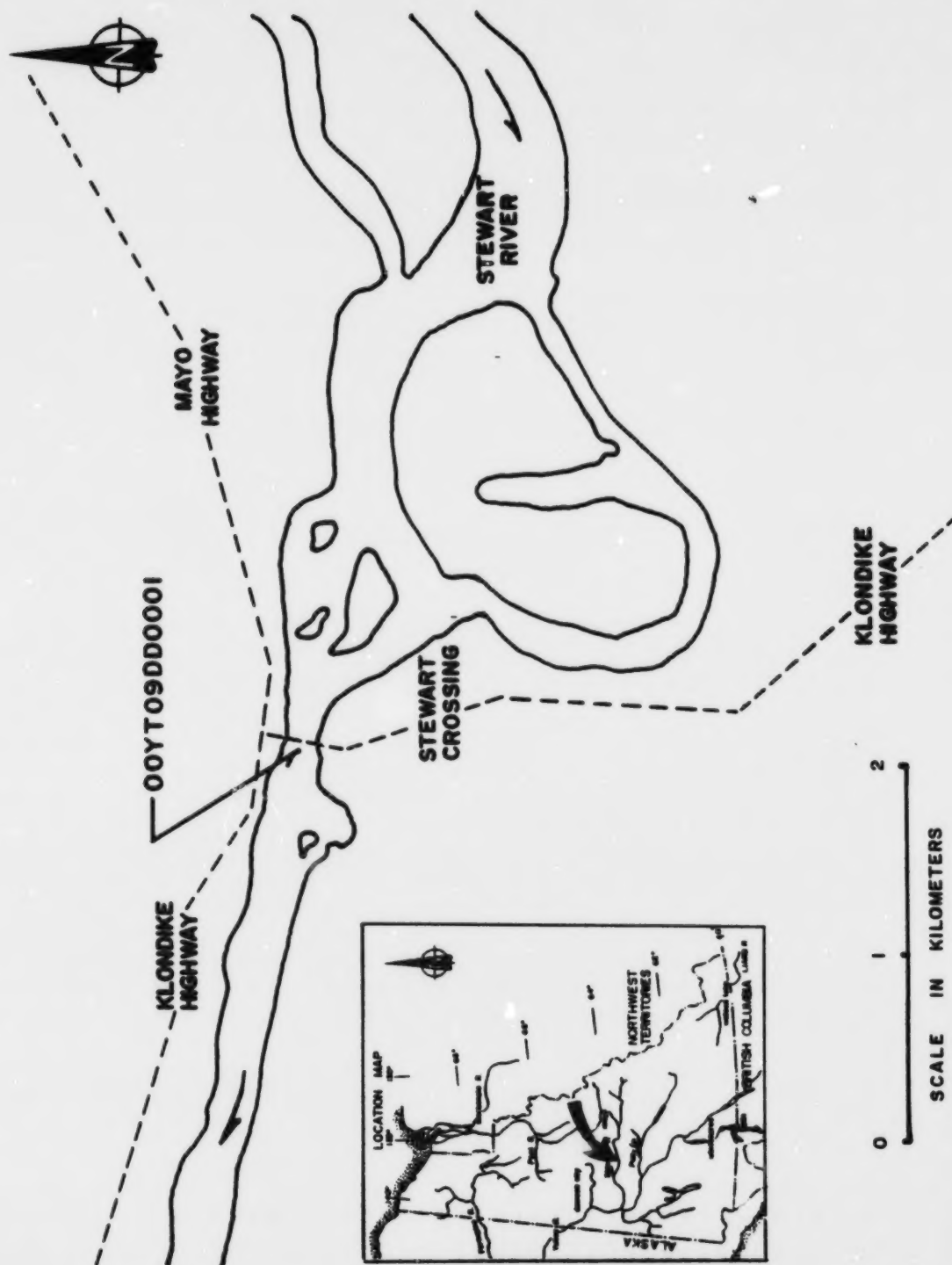


FIGURE 6 STEWART RIVER AT STEWART CROSSING
WATER QUALITY STATION 00YT09DD00001

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00V09000001

REPORT
STEWART RIVER AT STEWART CROSSING

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
8	7	1982	1418	5	0.0	19.0000	8.1000	158.0000	0.0	8.0000	196.0000	14.0000	10.0000	0.0
8	7	1982	1425	5	0.0	19.0000	8.1000	158.0000	0.0	7.9000	194.0000	18.0000	5.0000	0.0
8	7	1982	1432	5	0.0	19.0000	8.1000	158.0000	0.0	8.0000	199.0000	13.0000	5.0000	0.0
8	9	1982	1020	9	6.5000	10.0000	6.7200	0.0	21.4000	8.1100	257.3000	5.6000	15.0000	0.0
16	9	1982	1020	9	15.5000	10.0000	8.6000	0.0	21.7000	8.0000	266.5000	3.0000	17.0000	0.0
22	9	1982	1020	9	10.4000	8.0000	8.6000	0.0	21.0000	7.9900	270.2000	3.0000	5.0000	0.0
29	9	1982	1045	9	8.5000	7.5000	8.1000	0.0	21.9000	8.0000	281.8999	4.8000	8.0000	0.0
6	10	1982	1015	9	0.0	3.5000	8.0000	0.0	22.1000	7.8000	240.2000	4.8000	18.0000	0.0
13	10	1982	1030	9	6.5000	3.0000	8.0000	0.0	22.8000	7.9000	263.1001	1.4000	7.0000	0.0
20	10	1982	1020	9	-2.5000	2.0000	7.7000	0.0	9.3000	7.9500	302.7000	2.1500	8.0000	0.0
27	10	1982	1105	9	-25.0000	2.0000	7.3000	0.0	21.2000	7.9000	576.2000	6.3000	15.0000	0.0
3	11	1982	1020	9	2.0000	2.5000	7.3000	0.0	18.1000	7.9500	559.0000	3.7500	18.0000	0.0
10	11	1982	1020	9	-20.5000	2.0000	7.2000	0.0	21.7000	7.9000	333.0000	0.6700	7.0000	0.0
17	11	1982	1020	9	-25.0000	2.0000	7.7000	0.0	21.1000	8.0500	300.0000	0.2600	8.0000	0.0
24	11	1982	1020	9	-17.0000	2.0000	7.6000	0.0	21.2000	7.8000	307.0000	0.4900	7.0000	0.0
1	12	1982	1100	9	-17.0000	2.0000	7.5000	0.0	22.0000	7.9500	308.0000	0.3300	5.0000	0.0
8	12	1982	1020	9	-8.0000	2.0000	7.6000	0.0	18.4000	8.0000	313.0000	0.2400	5.0000	0.0
15	12	1982	1020	9	-5.5000	2.5000	7.6000	0.0	18.7000	8.0500	313.0000	0.4200	5.0000	0.0
22	12	1982	1020	9	-26.5000	2.0000	7.8000	0.0	18.4000	8.0000	310.0000	0.3800	5.0000	0.0
29	12	1982	1020	9	-10.0000	2.0000	7.4000	0.0	20.1000	7.8000	317.0000	0.2700	5.0000	0.0
12	1	1983	1020	9	-34.5000	2.0000	7.4000	0.0	20.2000	8.0500	314.0000	0.5500	5.0000	0.0
19	1	1983	1025	9	-13.5000	2.0000	7.5000	0.0	20.9000	8.2000	310.0000	0.4000	5.0000	0.0
26	1	1983	1010	9	-23.0000	2.0000	7.5000	0.0	21.3000	8.0000	313.0000	0.3000	5.0000	0.0
9	2	1983	1030	9	-8.0000	2.0000	7.5000	0.0	21.9000	8.0000	315.0000	0.4300	5.0000	0.0
9	2	1983	1025	9	-7.0000	2.0000	7.4000	0.0	22.5000	8.0000	321.0000	0.2100	5.0000	0.0
16	2	1983	1105	9	-40.0000	2.0000	7.5000	0.0	22.3000	8.1500	315.0000	0.4200	5.0000	0.0
23	2	1983	1020	9	-21.0000	2.0000	7.5000	0.0	23.6000	8.0500	317.0000	0.2300	5.0000	0.0
9	3	1983	1025	9	-13.0000	2.0000	7.6000	0.0	23.3000	8.1000	388.0000	0.7800	5.0000	0.0
16	3	1983	1020	9	-22.0000	2.0000	7.5000	0.0	20.4000	8.2500	385.0000	0.7700	5.0000	0.0
23	3	1983	1131	9	-27.0000	2.0000	7.4000	0.0	19.1000	8.1000	321.0000	0.1600	5.0000	0.0
30	3	1983	1145	9	-5.5000	2.0000	7.4000	0.0	21.7000	8.3500	464.0000	2.0000	5.0000	0.0
6	4	1983	1020	9	-7.0000	2.0000	7.4000	0.0	22.3000	8.2500	464.0000	2.2000	5.0000	0.0
13	4	1983	1025	9	-9.0000	2.0000	7.6000	0.0	22.4000	8.1000	371.0000	0.7500	5.0000	0.0
20	4	1983	1120	9	3.0000	2.5000	7.7000	0.0	20.9000	8.0000	309.0000	2.5000	5.0000	0.0
27	4	1983	1120	9	3.0000	2.5000	7.7000	0.0	23.3000	7.8000	465.0000	14.0000	55.0000	0.0
4	5	1983	1020	9	5.5000	2.0000	7.7000	0.0	21.1000	7.6500	205.0000	0.8200	5.0000	0.0
9	5	1983	1202	3	5.5000	2.0000	7.7000	0.0	22.0000	7.7000	188.0000	27.0000	75.0000	0.0
11	5	1983	1103	3	5.5000	2.0000	7.7000	0.0	21.0000	7.7000	164.0000	56.0000	110.0000	0.0
11	5	1983	1120	9	6.0000	2.0000	7.7000	0.0	21.4000	7.7000	166.0000	62.0000	110.0000	0.0
13	5	1983	1208	3	7.5000	2.0000	7.7000	0.0	20.5000	7.6000	158.0000	34.0000	90.0000	0.0
16	5	1983	1122	3	10.0000	2.5000	7.7000	0.0	21.0000	7.7000	147.0000	31.0000	100.0000	0.0
18	5	1983	1020	3	5.0000	2.5000	7.7000	0.0	21.1000	7.6000	142.0000	7.3000	100.0000	0.0
18	5	1983	1030	9	5.5000	2.5000	7.6000	0.0	21.3000	7.6500	144.0000	180.0000	100.0000	0.0
20	5	1983	1120	3	5.5000	2.5000	7.7000	0.0	22.5000	7.5000	143.0000	12.0000	80.0000	0.0
25	5	1983	1120	9	7.0000	2.5000	7.7000	0.0	21.1000	7.6000	164.0000	2.1000	50.0000	0.0
1	6	1983	1202	9	16.0000	2.5000	7.8000	0.0	22.0000	7.7000	136.0000	38.0000	60.0000	0.0
2	6	1983	1345	3	15.0000	9.8000	7.9000	88.0000	21.7000	7.7000	129.0000	52.0000	70.0000	0.0
8	6	1983	1020	9	11.0000	4.5000	7.5000	0.0	22.0000	7.7000	174.0000	37.0000	30.0000	0.0
15	6	1983	1000	9	13.0000	6.5000	7.5000	0.0	21.7000	7.2000	185.0000	25.0000	20.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO8DD0001 STEWART RIVER AT STEWART CROSSING PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURE	COLR	ALKP
22	6	1983	1030	9	15.0000	6.0000	7.5000	0.0	21.6000	7.9000	188.0000	16.0000	15.0000	0.0
29	6	1983	930	9	15.0000	6.0000	7.5000	0.0	21.5000	7.9000	189.0000	48.0000	20.0000	0.0
6	7	1983	1000	9	15.0000	6.5000	7.8000	0.0	22.4000	7.6000	216.0000	59.0000	15.0000	0.0
13	7	1983	1000	9	14.0000	6.5000	7.6000	0.0	22.4000	7.5000	232.0000	5.5000	5.0000	0.0
20	7	1983	1200	9	12.0000	6.0000	7.5000	0.0	18.9000	8.0000	210.0000	5.5000	15.0000	0.0
27	7	1983	1425	9	20.0000	6.0000	7.5000	0.0	19.9000	8.0000	241.0000	3.4000	10.0000	0.0
3	8	1983	930	9	9.0000	5.0000	7.5000	0.0	21.7000	8.0000	234.0000	3.1000	5.0000	0.0
11	8	1983	1530	9	10.0000	6.0000	7.4000	0.0	22.8000	8.0500	245.0000	7.9000	10.0000	0.0
19	8	1983	1120	9	11.0000	5.5000	7.4000	0.0	23.8000	7.8000	231.0000	3.6000	15.0000	0.0
26	8	1983	1103	9	11.0000	7.0000	7.4000	0.0	23.7000	7.4500	244.0000	14.5000	10.0000	0.0
31	8	1983	1005	9	9.0000	6.0000	7.4000	0.0	22.5000	7.9000	413.0000	0.2200	5.0000	0.0
7	9	1983	1020	8	4.8000	5.0000	7.4000	0.0	22.9000	7.6000	306.0000	0.1800	5.0000	0.0
14	9	1983	1005	9	-2.0000	4.0000	7.4000	0.0	22.4000	7.8000	262.0000	2.8000	10.0000	0.0
21	9	1983	1120	9	6.5000	4.5000	7.4000	0.0	21.8000	7.8000	282.0000	0.8400	5.0000	0.0
28	9	1983	1020	8	-12.0000	4.0000	0.0	0.0	22.9000	7.7000	378.0000	0.3800	5.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0YT08DD0001

REPORT STEWART RIVER AT STEWART CROSSING
PACIFIC AND YUKON REGION

DD	MM	YEAR	Hr	MIN	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	S04
8	7	1982	1418	5	59.2000	103.0000	26.8000	0.0	0.3000	1.1000	0.3000	0.0500	4.0000	32.0000	
8	7	1982	1425	5	69.3000	103.0000	26.7000	0.0	0.4000	1.2000	0.3000	0.0500	3.9000	32.0000	
8	7	1982	1432	5	69.0000	104.0000	27.1000	0.0	0.3000	1.1000	0.3000	0.0500	3.9000	32.0000	
8	8	1982	1020	9	95.1000	137.4000	38.7000	9.9000	0.5000	1.8000	0.3000	0.0500	4.0000	43.0000	
16	9	1982	1020	9	93.8000	141.0000	37.8000	11.3000	0.5000	2.9000	1.9000	0.0500	4.0000	44.0000	
22	9	1982	1020	9	98.5000	145.6000	39.9000	11.2000	0.6000	2.0000	0.4000	0.0750	4.3000	46.0000	
29	9	1982	1045	9	98.6000	145.7000	43.7000	8.9000	0.4000	1.8000	0.4000	0.0610	4.3000	44.0000	
6	10	1982	1015	9	88.0000	132.1000	35.7000	10.4000	0.5000	1.7000	0.3000	0.0500	4.6000	42.5000	
13	10	1982	1030	9	86.7000	142.8000	38.4000	11.4000	0.6000	2.1000	0.5000	0.0520	4.5000	42.0000	
20	10	1982	1020	9	101.7000	148.5000	40.6000	11.4000	0.5000	2.0000	0.5000	0.0500	4.7000	45.0000	
27	10	1982	1105	9	236.6000	332.8999	92.1000	25.0000	1.2000	5.5000	1.1000	0.0800	10.4000	98.0000	
3	11	1982	1020	9	222.2000	311.8999	84.5000	24.5000	1.1000	4.6000	1.2000	0.0700	5.7000	84.0000	
10	11	1982	1020	9	127.4000	182.6000	49.4000	14.2000	0.6000	2.5000	1.0000	0.0700	5.6000	53.0000	
17	11	1982	1020	9	113.7000	161.4000	44.0000	12.4000	0.7000	2.7000	1.0000	0.0800	5.4000	44.0000	
24	11	1982	1020	9	117.7000	165.2000	45.1000	12.7000	0.7000	2.6000	1.0000	0.0730	5.4000	44.0000	
1	12	1982	1100	9	116.0000	162.0000	44.0000	12.7000	0.6000	2.3000	0.7000	0.0750	5.5000	48.0000	
8	12	1982	1020	9	118.0000	165.0000	45.4000	12.8000	0.7000	2.4000	0.7000	0.0710	5.3000	44.5000	
15	12	1982	1020	9	117.0000	165.0000	44.7000	13.0000	0.7000	2.4000	0.7000	0.0690	5.4000	48.0000	
22	12	1982	1020	9	117.0000	165.0000	44.9000	13.0000	0.8000	2.6000	1.2000	0.0730	5.5000	46.5000	
29	12	1982	1020	9	121.0000	167.0000	45.4000	13.0000	0.7000	2.8000	1.1000	0.0670	5.2000	44.5000	
12	1	1983	1020	9	120.0000	166.0000	44.7000	13.2000	0.8000	3.0000	1.1000	0.0690	5.6000	45.5000	
19	1	1983	1025	9	122.0000	167.0000	47.0000	12.1000	0.7000	3.0000	1.6000	0.0690	5.5000	44.5000	
26	1	1983	1010	9	122.0000	166.0000	45.6000	12.7000	1.4000	3.0000	1.6000	0.0700	5.4000	44.0000	
2	2	1983	1030	9	120.0000	165.0000	45.3000	12.6000	1.4000	3.0000	1.6000	0.0630	7.2000	56.5000	
9	2	1983	1025	9	121.0000	166.0000	45.9000	12.5000	0.6000	2.8000	3.6000	0.0670	5.8000	46.5000	
16	2	1983	1105	9	124.0000	171.0000	47.1000	13.0000	0.6000	2.4000	0.6000	0.0810	5.5000	46.5000	
23	2	1983	1020	9	123.0000	170.0000	46.7000	13.0000	0.6000	2.3000	1.2000	0.0690	5.6000	48.5000	
2	3	1983	1525	9	124.0000	168.0000	45.8000	13.0000	1.0000	2.6000	2.7000	0.0840	6.4000	51.0000	
9	3	1983	1022	9	158.0000	212.0000	62.6000	13.9000	0.9000	2.5000	2.7000	0.1100	6.5000	49.0000	
16	3	1983	1020	9	158.0000	211.0000	60.7000	14.4000	0.8000	2.4000	1.0000	0.0830	6.9000	46.0000	
23	3	1983	1131	9	122.0000	165.0000	45.8000	12.3000	1.3000	2.6000	5.0000	0.1180	7.2000	54.5000	
30	3	1983	1145	9	194.0000	256.0000	58.8000	26.5000	1.3000	2.6000	5.0000	0.1220	7.2000	54.0000	
6	4	1983	1020	9	196.0000	257.0000	71.8000	18.9000	1.2000	2.6000	5.0000	0.0870	7.2000	56.0000	
13	4	1983	1025	9	150.0000	204.0000	57.1000	14.9000	0.7000	3.5000	2.4000	0.0560	5.0000	43.5000	
20	4	1983	1120	9	118.0000	165.0000	44.9000	12.8000	0.7000	2.7000	5.2000	0.0870	7.2000	56.0000	
27	4	1983	1120	9	197.0000	261.0000	78.7000	15.7000	1.3000	2.7000	5.2000	0.1220	7.1000	56.0000	
4	5	1983	1020	9	73.8000	107.0000	30.4000	7.6000	0.9000	1.6000	1.1000	0.0600	4.3000	29.0000	
9	5	1983	1202	3	66.1000	98.0000	28.0000	7.1000	0.8000	1.4000	0.7000	0.0560	3.7000	27.5000	
11	5	1983	1103	3	59.2000	86.7000	23.6000	6.7000	0.6000	1.0000	1.0000	0.0510	3.4000	22.0000	
11	5	1983	1120	9	60.6000	86.9000	24.1000	6.5000	0.6000	1.3000	0.9000	0.0510	3.3000	22.0000	
13	5	1983	1208	3	54.7000	81.1000	22.8000	5.8000	0.8000	1.2000	0.9000	0.0500	3.4000	21.0000	
16	5	1983	1122	3	53.0000	77.3000	21.1000	6.0000	0.8000	1.2000	0.9000	0.0500	3.4000	19.5000	
18	5	1983	1020	3	51.9000	75.5000	24.3000	6.3000	0.6000	1.0000	0.9000	0.0730	3.4000	17.4000	
18	5	1983	1030	9	50.5000	76.0000	21.1000	5.7000	0.6000	1.0000	0.9000	0.0750	3.4000	17.4000	
20	5	1983	1120	3	50.1000	74.4000	20.7000	5.5000	0.6000	0.8000	0.9000	0.1120	3.6000	21.0000	
25	5	1983	1120	9	56.8000	83.7000	22.9000	6.4000	0.6000	1.2000	1.1000	0.0670	3.3000	17.0000	
2	6	1983	1345	3	48.6000	67.2000	18.8000	4.9000	0.7000	0.8000	0.7000	0.0670	3.3000	15.3000	
8	6	1983	1020	9	64.4000	88.6000	24.0000	7.0000	0.8000	1.1000	0.6000	0.0810	3.8000	25.0000	
15	6	1983	1000	9	66.4000	95.1000	25.4000	7.7000	0.6000	1.2000	0.5000	0.0590	4.2000	30.0000	

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08DD0001 STEWART RIVER AT STEWART CROSSING PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	S102	S04
22	6	1983	1030	9	65.8000	95.6000	26.2000	7.3000	0.7000	1.1000	0.8000	0.0570	4.0000	30.0000
29	6	1983	930	9	65.1000	98.1000	26.5000	7.8000	0.5000	1.0000	0.4000	0.0600	4.1000	30.0000
6	7	1983	1000	9	74.3000	111.8000	30.6000	8.6000	0.8000	1.3000	1.8000	0.0650	4.3000	35.0000
13	7	1983	1000	9	82.2000	122.0000	32.9000	9.7000	0.4000	1.4000	0.5000	0.1160	4.4000	38.5000
20	7	1983	1200	9	79.4000	106.0000	29.5000	7.8000	1.0000	2.5000	1.1000	0.1010	6.5000	26.5000
27	7	1983	1425	9	82.6000	123.0000	32.9000	9.8000	0.5000	1.5000	0.6000	0.1140	4.4000	40.5000
3	8	1983	930	9	83.2000	123.0000	33.7000	9.4000	0.4000	1.8000	0.4000	0.0840	6.8000	40.5000
11	8	1983	1530	9	84.1000	125.0000	34.5000	9.4000	0.5000	1.4000	0.4000	0.1000	4.3000	41.0000
19	8	1983	1120	9	80.7000	120.0000	32.6000	9.4000	0.5000	1.5000	0.4000	0.0690	4.6000	35.0000
26	8	1983	1103	9	82.6000	127.0000	35.5000	9.3000	0.5000	1.5000	0.4000	0.0920	4.5000	48.5000
31	8	1983	1005	9	178.0000	222.0000	67.4000	13.0000	1.4000	2.3000	3.7000	0.2020	7.6000	41.0000
7	9	1983	1020	9	112.0000	155.0000	31.2000	18.7000	0.9000	2.6000	2.2000	0.1120	4.7000	38.0000
14	9	1983	0005	9	92.5000	138.0000	37.6000	10.7000	0.4000	1.5000	0.5000	0.0710	4.7000	41.5000
21	9	1983	1120	9	102.0000	147.0000	40.3000	11.3000	0.7000	2.1000	1.2000	0.0740	4.8000	41.5000
28	9	1983	1020	9	159.0000	209.0000	60.7000	13.9000	1.2000	2.3000	2.5000	0.1190	6.6000	43.0000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09D00001

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
8	7	1982	1418	5	0.0	14.0000	130.0000	6.0000	114.0000	0.0	0.0	0.0	0.0	0.0
8	7	1982	1425	5	0.0	20.0000	136.0000	14.0000	124.0000	0.0	0.0	0.0	0.0	0.0
8	7	1982	1432	5	0.0	20.0000	162.0000	14.0000	132.0000	0.0	0.0	0.0	0.0	0.0
8	9	1982	1020	9	0.0160	8.0000	157.0000	7.0000	152.0000	0.0003	0.0004	0.0	0.0	0.0
16	9	1982	1020	9	0.0800	12.0000	170.0000	8.0000	146.0000	0.0002	0.0005	0.0	0.0	0.0
22	9	1982	1020	9	0.0490	9.0000	163.0000	8.0000	144.0000	0.0004	0.0006	0.0	0.0	0.0
29	9	1982	1045	9	0.0300	5.0000	133.0000	2.0000	106.0000	0.0004	0.0001	0.0	0.0	0.0
6	10	1982	1015	9	0.0530	15.0000	132.0000	3.0000	113.0000	0.0003	0.0001	0.0	0.0	0.0
13	10	1982	1030	9	0.0600	0.0	0.0	0.0	0.0	0.0003	0.0003	0.0	0.0	0.0
20	10	1982	1020	9	0.0900	4.0000	172.0000	0.0	158.0000	0.0004	0.0003	0.0	0.0	0.0
27	10	1982	1105	9	0.2050	52.0000	342.0000	36.0000	314.0000	0.0008	0.0010	0.0	0.0	0.0
3	11	1982	1020	9	0.2010	0.0	0.0	0.0	0.0	0.0007	0.0008	0.0	0.0	0.0
10	11	1982	1020	9	0.1250	10.0000	76.0000	0.0	64.0000	0.0007	0.0009	0.0	0.0	0.0
17	11	1982	1020	9	0.1590	10.0000	252.0000	0.0	242.0000	0.0003	0.0009	0.0	0.0	0.0
24	11	1982	1020	9	0.1320	4.0000	242.0000	2.0000	216.0000	0.0004	0.0004	0.0	0.0	0.0
1	12	1982	1100	9	0.1370	4.0000	140.0000	0.0	112.0000	0.0003	0.0008	0.0	0.0	0.0
8	12	1982	1020	9	0.2190	0.0	0.0	0.0	0.0	0.0002	0.0013	0.0	0.0	0.0
15	12	1982	1020	9	0.4930	0.0	0.0	0.0	0.0	0.0003	0.0013	0.0	0.0	0.0
22	12	1982	1020	9	0.1310	0.0	0.0	0.0	0.0	0.0003	0.0012	0.0	0.0	0.0
29	12	1982	1020	9	0.1430	2.0000	250.0000	0.0	224.0000	0.0003	0.0012	0.0	0.0	0.0
12	1	1983	1020	9	0.1810	12.0000	248.0000	4.0000	226.0000	0.0002	0.0013	0.0	0.0	0.0
19	1	1983	1025	9	0.1570	2.0000	222.0000	2.0000	214.0000	0.0003	0.0010	0.0	0.0	0.0
26	1	1983	1010	8	0.1480	4.0000	148.0000	2.0000	72.0000	0.0002	0.0010	0.0	0.0	0.0
2	2	1983	1030	9	0.1530	2.0000	212.0000	0.0	150.0000	0.0002	0.0008	0.0	0.0	0.0
9	2	1983	1025	9	0.1290	28.0000	326.0000	12.0000	158.0000	0.0004	0.0021	0.0	0.0	0.0
16	2	1983	1105	9	0.1540	1.2500	185.0000	0.0	164.0000	0.0003	0.0001	0.0	0.0	0.0
23	2	1983	1020	9	0.1980	1.0000	215.0000	198.0000	1.0000	0.0003	0.0011	0.0	0.0	0.0
2	3	1983	1525	9	0.1640	11.0000	263.0000	2.0000	232.0000	0.0003	0.0010	0.0	0.0	0.0
9	3	1983	1022	9	0.1380	1.0000	287.0000	0.0	257.0000	0.0002	0.0010	0.0	0.0	0.0
16	3	1983	1020	9	0.1280	8.0000	253.0000	1.0000	162.0000	0.0004	0.0010	0.0	0.0	0.0
23	3	1983	1131	9	0.2880	18.0000	312.0000	7.0000	259.0000	0.0003	0.0008	0.0	0.0	0.0
30	3	1983	1145	9	0.2750	3.0000	352.0000	1.0000	299.0000	0.0004	0.0021	0.0	0.0	0.0
6	4	1983	1020	9	0.0500	1.0000	243.0000	1.0000	205.0000	0.0002	0.0022	0.0	0.0	0.0
13	4	1983	1025	9	0.1460	1.0000	238.0000	0.0	194.0000	0.0002	0.0012	0.0	0.0	0.0
20	4	1983	1120	9	0.1690	11.0000	188.0000	6.0000	145.0000	0.0003	0.0005	0.0	0.0	0.0
27	4	1983	1120	9	0.1210	1.0000	322.0000	0.0	281.0000	0.0004	0.0006	0.0	0.0	0.0
4	5	1983	1020	9	0.0720	44.0000	210.0000	59.0000	145.0000	0.0003	0.0005	0.0	0.0	0.0
8	5	1983	1202	3	0.0660	122.0000	137.0000	104.0000	83.0000	0.0009	0.0006	0.0	0.0	0.0
11	5	1983	1103	3	0.0580	282.0000	238.0000	262.0000	150.0000	0.0020	0.0005	0.0	0.0	0.0
11	5	1983	1120	9	0.0560	488.0000	134.0000	450.0000	83.0000	0.0007	0.0005	0.0	0.0	0.0
13	5	1983	1208	3	0.0630	191.0000	201.0000	167.0000	121.0000	0.0010	0.0005	0.0	0.0	0.0
16	5	1983	1122	3	0.0390	131.0000	123.0000	121.0000	100.0000	0.0012	0.0005	0.0	0.0	0.0
18	5	1983	1020	3	0.1550	116.0000	138.0000	81.0000	64.0000	0.0009	0.0002	0.0	0.0	0.0
18	5	1983	1030	9	0.0440	0.0	145.0000	0.0	69.0000	0.0014	0.0001	0.0	0.0	0.0
20	5	1983	1120	3	0.0430	33.0000	217.0000	0.0	60.0000	0.0011	0.0001	0.0	0.0	0.0
25	5	1983	1120	9	0.0340	14.0000	123.0000	8.0000	71.0000	0.0006	0.0003	0.0	0.0	0.0
1	6	1983	920	9	0.0830	196.0000	100.0000	182.0000	53.0000	0.0036	0.0004	0.0	0.0	0.0
2	6	1983	1345	3	0.0480	1203.0000	186.0000	1130.0000	80.0000	0.0052	0.0006	0.0	0.0	0.0
8	6	1983	1020	9	0.0840	246.0000	113.0000	231.0000	68.0000	0.0028	0.0010	0.0	0.0	0.0
15	6	1983	1000	9	0.0840	85.0000	94.0000	79.0000	81.0000	0.0013	0.0011	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09D00001

DD	MM	YEAR	HR	MN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
22	6	1983	1030	9		0.0710	61.0000	108.0000	54.0000	21.0000	0.0013	0.0012	0.0	0.0	0.0
29	6	1983	930	9		0.1840	102.0000	85.0000	88.0000	34.0000	0.0013	0.0011	0.0	0.0	0.0
6	7	1983	1000	9		0.4640	106.0000	244.0000	98.0000	172.0000	0.0013	0.0010	0.0	0.0	0.0
13	7	1983	1000	9		0.1680	24.0000	159.0000	20.0000	137.0000	0.0008	0.0009	0.0	0.0	0.0
20	7	1983	1200	9		0.0290	40.0000	152.0000	32.0000	120.0000	0.0004	0.0001	0.0	0.0	0.0
27	7	1983	1425	9		0.1330	13.0000	205.0000	13.0000	141.0000	0.0006	0.0007	0.0	0.0	0.0
3	8	1983	930	9		0.2070	34.0000	184.0000	29.0000	172.0000	0.0005	0.0009	0.0	0.0	0.0
11	8	1983	1530	9		0.2800	21.0000	207.0000	8.0000	145.0000	0.0006	0.0007	0.0	0.0	0.0
19	8	1983	1120	9		0.0940	21.0000	145.0000	2.0000	75.0000	0.0	0.0006	0.0	0.0	0.0
26	8	1983	1103	9		0.0560	30.0000	134.0000	15.0000	87.0000	0.0007	0.0008	0.0	0.0	0.0
31	8	1983	1005	9		0.1990	22.0000	306.0000	2.0000	265.0000	0.0003	0.0038	0.0	0.0	0.0
7	9	1983	1020	9		0.5480	1.0000	198.0000	0.0	147.0000	0.0002	0.0009	0.0	0.0	0.0
14	9	1983	1005	9		0.1330	7.0000	207.0000	2.0000	143.0000	0.0005	0.0008	0.0	0.0	0.0
21	9	1983	1120	9		0.1610	5.0000	365.0000	1.0000	207.0000	0.0003	0.0008	0.0	0.0	0.0
28	9	1983	1020	9		0.2170	8.0000	250.0000	4.0000	237.0000	0.0006	0.0030	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YT09D00001

PACIFIC AND YUKON REGION
STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
8	7	1982	1418	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1425	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1432	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1020	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	9	1982	1020	9		0.0	0.0	0.0	0.0	0.0840	0.0160	0.0	22.0000	4.5000	0.0
22	9	1982	1020	9		0.0	0.0	0.0	0.0	0.1740	0.0290	0.0	24.0000	4.4000	0.0
28	9	1982	1020	9		0.0	0.0	0.0	0.0	0.1770	0.0110	0.0	24.0000	6.9000	0.0
28	9	1982	1045	9		0.0	0.0	0.0	0.0	0.0860	0.0150	0.0	24.0000	7.1000	0.0
6	10	1982	1015	9		0.0	0.0	0.0	0.0	0.1470	0.0120	0.0	21.0000	5.5000	0.0
13	10	1982	1030	9		0.0	0.0	0.0	0.0	0.2020	0.0160	0.0	24.0000	6.0000	0.0
20	10	1982	1020	9		0.0	0.0	0.0	0.0	0.2920	0.0120	0.0	24.0000	4.7000	0.0
27	10	1982	1105	9		0.0	0.0	0.0	0.0	0.4140	0.0400	0.0	53.0000	16.0000	0.0
3	11	1982	1020	9		0.0	0.0	0.0	0.0	0.3450	0.0330	0.0	61.0000	4.3000	0.0
10	11	1982	1020	9		0.0	0.0	0.0	0.0	0.2050	0.0170	0.0	32.0000	3.7000	0.0
17	11	1982	1020	9		0.0	0.0	0.0	0.0	0.3560	0.0170	0.0	31.0000	2.7000	0.0
24	11	1982	1020	9		0.0	0.0	0.0	0.0	0.3000	0.0080	0.0	28.0000	3.8000	0.0
1	12	1982	1100	9		0.0	0.0	0.0	0.0	0.2690	0.0040	0.0	29.0000	2.8000	0.0
8	12	1982	1020	9		0.0	0.0	0.0	0.0	0.3610	0.0030	0.0	28.0000	5.4000	0.0
15	12	1982	1020	9		0.0	0.0	0.0	0.0	0.6210	0.0030	0.0	28.0000	5.4000	0.0
22	12	1982	1020	9		0.0	0.0	0.0	0.0	0.2500	0.0100	0.0	29.0000	5.6000	0.0
29	12	1982	1020	9		0.0	0.0	0.0	0.0	0.3020	0.0050	0.0	30.0000	4.8000	0.0
12	1	1983	1020	9		0.0	0.0	0.0	0.0	0.4090	0.0110	0.0	30.0000	7.5000	0.0
19	1	1983	1025	9		0.0	0.0	0.0	0.0	0.3210	0.0070	0.0	29.0000	8.9000	0.0
26	1	1983	1010	9		0.0	0.0	0.0	0.0	0.4880	0.0160	0.0	38.0000	3.9000	0.0
2	2	1983	1030	9		0.0	0.0	0.0	0.0	0.5130	0.0380	0.0	52.0000	6.5000	0.0
9	2	1983	1025	9		0.0	0.0	0.0	0.0	0.1870	0.0350	0.0	22.0000	5.9000	0.0
16	2	1983	1105	9		0.0	0.0	0.0	0.0	0.2080	0.0060	0.0	31.0000	4.1000	0.0
23	2	1983	1020	9		0.0	0.0	0.0	0.0	0.2620	0.0040	0.0	36.0000	4.6000	0.0
23	2	1983	1020	9		0.0	0.0	0.0	0.0	0.2200	0.0130	0.0	40.0000	2.6000	0.0
9	3	1983	1525	9		0.0	0.0	0.0	0.0	0.2000	0.0050	0.0	41.0000	3.4000	0.0
16	3	1983	1020	9		0.0	0.0	0.0	0.0	0.1830	0.0070	0.0	34.0000	6.7000	0.0
23	3	1983	1131	9		0.0	0.0	0.0	0.0	0.3560	0.0100	0.0	50.0000	5.4000	0.0
30	3	1983	1145	9		0.0	0.0	0.0	0.0	0.3750	0.0080	0.0	46.0000	9.8000	0.0
6	4	1983	1020	9		0.0	0.0	0.0	0.0	0.0980	0.0110	0.0	39.0000	0.2900	0.0
13	4	1983	1025	9		0.0	0.0	0.0	0.0	0.2040	0.0030	0.0	31.0000	3.6000	0.0
20	4	1983	1120	9		0.0	0.0	0.0	0.0	0.3160	0.0170	0.0	30.0000	2.0000	0.0
27	4	1983	1120	9		0.0	0.0	0.0	0.0	0.3330	0.0500	0.0	16.0000	14.0000	0.0
4	5	1983	1020	9		0.0	0.0	0.0	0.0	0.3160	0.0790	0.0	17.0000	24.0000	0.0
9	5	1983	1202	3		0.0	0.0	0.0	0.0	0.3590	0.1710	0.0	14.0000	20.0000	0.0
11	5	1983	1103	3		0.0	0.0	0.0	0.0	0.3390	0.4220	0.0	16.0000	22.0000	0.0
11	5	1983	1120	9		0.0	0.0	0.0	0.0	0.3640	0.1010	0.0	13.0000	19.0000	0.0
13	5	1983	1208	3		0.0	0.0	0.0	0.0	0.3410	0.0920	0.0	12.0000	19.0000	0.0
16	5	1983	1122	3		0.0	0.0	0.0	0.0	0.4300	0.0840	0.0	12.0000	21.0000	0.0
18	5	1983	1030	9		0.0	0.0	0.0	0.0	0.3170	0.1970	0.0	12.0000	21.0000	0.0
20	5	1983	1120	3		0.0	0.0	0.0	0.0	0.2930	0.0580	0.0	12.0000	18.0000	0.0
25	5	1983	1120	9		0.0	0.0	0.0	0.0	0.2280	0.0430	0.0	15.0000	13.0000	0.0
1	6	1983	920	9		0.0	0.0	0.0	0.0	0.2880	0.2880	0.0	14.0000	14.0000	0.0
2	6	1983	1345	3		0.0	0.0	0.0	0.0	0.2070	1.2380	0.0	15.0000	16.0000	0.0
8	6	1983	1020	9		0.0	0.0	0.0	0.0	0.2020	0.2030	0.0	18.0000	5.0000	0.0
15	6	1983	1000	9		0.0	0.0	0.0	0.0	0.1780	0.1220	0.0	17.0000	3.8000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO9000001
 PACIFIC AND YUKON REGION
 STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
22	6	1983	1030	9	0.0	0.0	0.0	0.0	0.1410	0.0980	0.0	17.0000	2.4000	0.0
29	6	1983	930	9	0.0	0.0	0.0	0.0	0.3310	0.1220	0.0	16.0000	4.0000	0.0
6	7	1983	1000	9	0.0	0.0	0.0	0.0	0.5780	0.1180	0.0	19.0000	3.0000	0.0
13	7	1983	1000	9	0.0	0.0	0.0	0.0	0.2340	0.0770	0.0	21.0000	1.8000	0.0
20	7	1983	1200	9	0.0	0.0	0.0	0.0	0.1720	0.0570	0.0	20.0000	5.5000	0.0
27	7	1983	1425	9	0.0	0.0	0.0	0.0	0.4100	0.0310	0.0	21.0000	2.2000	0.0
3	8	1983	930	9	0.0	0.0	0.0	0.0	0.3570	0.0240	0.0	21.0000	3.3000	0.0
11	8	1983	1530	9	0.0	0.0	0.0	0.0	0.4830	0.0240	0.0	21.0000	3.0000	0.0
19	8	1983	1120	9	0.0	0.0	0.0	0.0	0.1630	0.0390	0.0	21.0000	2.2000	0.0
26	8	1983	1103	9	0.0	0.0	0.0	0.0	0.2670	0.0440	0.0	23.0000	1.3000	0.0
31	8	1983	1005	9	0.0	0.0	0.0	0.0	0.2980	0.0120	0.0	47.0000	2.2000	0.0
7	9	1983	1020	9	0.0	0.0	0.0	0.0	0.6950	0.0160	0.0	29.0000	1.4000	0.0
14	9	1983	1005	9	0.0	0.0	0.0	0.0	0.2140	0.0140	0.0	23.0000	4.0000	0.0
21	9	1983	1120	9	0.0	0.0	0.0	0.0	0.3270	0.0090	0.0	26.0000	3.4000	0.0
28	9	1983	1020	9	0.0	0.0	0.0	0.0	0.2590	0.0050	0.0	39.0000	4.4000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT08DD0001

PACIFIC AND YUKON REGION
STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR	MN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
6	7	1982	1418	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1425	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1432	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1020	9	0.0	0.0	0.0	0.0	0.0	0.0	0.3100	0.0030	0.0100	0.0500	0.0070
16	9	1982	1020	9	0.0	0.0	0.0	0.0	0.0030	0.0030	1.1000	0.0030	0.0400	0.0500	0.0080
22	9	1982	1020	9	0.0	0.0	0.0	0.0	0.0040	0.0040	0.3700	0.0010	0.0200	0.0500	0.0
29	9	1982	1045	9	0.0	0.0	0.0	0.0	0.0030	0.0030	0.3400	0.0010	0.0100	0.0500	0.0150
6	10	1982	1015	9	0.0	0.0	0.0	0.0	0.0010	0.0010	0.5000	0.0020	0.0200	0.0500	0.0300
13	10	1982	1030	9	0.0	0.0	0.0	0.0	0.0030	0.0030	0.4000	0.0030	0.0300	0.0500	0.0060
20	10	1982	1020	9	0.0	0.0	0.0	0.0	0.0030	0.0030	0.9000	0.0020	0.0600	0.0500	0.0080
27	10	1982	1105	9	0.0	0.0	0.0	0.0	0.0060	0.0060	2.2000	0.0190	0.0800	0.0700	0.0160
10	11	1982	1020	9	0.0	0.0	0.0	0.0	0.0020	0.0020	0.1800	0.0030	0.0400	0.0500	0.0060
17	11	1982	1020	9	0.0	0.0	0.0	0.0	0.0040	0.0040	0.1100	0.0040	0.0100	0.0500	0.0400
24	11	1982	1020	9	0.0	0.0	0.0	0.0	0.0020	0.0020	0.0800	0.0040	0.0100	0.0500	0.0900
1	12	1982	1100	9	0.0	0.0	0.0	0.0	0.0030	0.0030	0.1800	0.0010	0.0100	0.0500	0.0100
8	12	1982	1020	9	0.0	0.0	0.0	0.0	0.0020	0.0020	0.0700	0.0020	0.0100	0.0500	0.0250
15	12	1982	1020	9	0.0	0.0	0.0	0.0	0.0030	0.0030	0.0370	0.0010	0.0100	1.4000	0.0160
22	12	1982	1020	9	0.0	0.0	0.0	0.0	0.0030	0.0030	0.0700	0.0040	0.0100	0.0500	0.0100
29	12	1982	1020	9	0.0	0.0	0.0	0.0	0.0030	0.0030	0.0700	0.0040	0.0100	0.0500	0.0180
12	1	1983	1020	9	0.0	0.0	0.0	0.0	0.0020	0.0020	0.2000	0.0140	0.0200	0.1200	0.0110
19	1	1983	1025	9	0.0	0.0	0.0	0.0	0.0040	0.0040	0.0600	0.0050	0.0100	0.0500	0.0500
26	1	1983	1010	9	0.0	0.0	0.0	0.0	0.0070	0.0070	0.0350	0.0050	0.0100	0.0500	0.0800
2	2	1983	1030	9	0.0	0.0	0.0	0.0	0.2600	0.2600	0.4400	0.0030	0.0700	0.0500	0.0500
8	2	1983	1025	9	0.0	0.0	0.0	0.0	0.0020	0.0020	0.1100	0.0040	0.0200	0.1000	0.0060
16	2	1983	1105	9	0.0	0.0	0.0	0.0	0.0050	0.0050	0.0600	0.0040	0.0100	0.0500	0.0040
23	2	1983	1020	9	0.0	0.0	0.0	0.0	0.0020	0.0020	0.1200	0.0150	0.0200	0.0500	0.0400
2	3	1983	1525	9	0.0	0.0	0.0	0.0	0.0800	0.0800	0.0800	0.0040	0.0200	0.0500	0.0900
8	3	1983	1022	9	0.0	0.0	0.0	0.0	0.1200	0.1200	0.1000	0.0080	0.0400	0.0500	0.0500
16	3	1983	1020	9	0.0	0.0	0.0	0.0	0.0010	0.0010	0.0130	0.0010	0.0100	0.0300	0.0800
23	3	1983	1131	9	0.0	0.0	0.0	0.0	0.2400	0.2400	0.3100	0.0030	0.0600	0.1500	0.0300
30	3	1983	1145	9	0.0	0.0	0.0	0.0	0.2000	0.2000	0.1900	0.0010	0.0500	0.0500	0.0600
6	4	1983	1020	9	0.0	0.0	0.0	0.0	0.3200	0.3200	0.2000	0.0010	0.0600	0.1000	0.0600
13	4	1983	1025	9	0.0	0.0	0.0	0.0	0.0150	0.0150	0.7100	0.0110	0.0400	0.0500	0.0400
20	4	1983	1120	9	0.0	0.0	0.0	0.0	0.0270	0.0270	0.0800	0.0140	0.0200	0.0500	0.0600
27	4	1983	1120	9	0.0	0.0	0.0	0.0	0.0140	0.0140	1.6000	0.0100	0.0800	0.0300	0.0400
4	5	1983	1020	9	0.0	0.0	0.0	0.0	0.0090	0.0090	3.2000	0.0050	0.1300	0.0500	0.0250
9	5	1983	1202	3	0.0	0.0	0.0	0.0	0.0140	0.0140	6.5000	0.0080	0.2800	0.0500	0.0500
11	5	1983	1103	3	0.0	0.0	0.0	0.0	0.0080	0.0080	4.7000	0.0070	0.1400	0.0500	0.0340
11	5	1983	1120	9	0.0	0.0	0.0	0.0	0.0070	0.0070	3.7000	0.0050	0.1200	0.0500	0.0280
13	5	1983	1208	3	0.0	0.0	0.0	0.0	0.0070	0.0070	3.3000	0.0040	0.1000	0.0500	0.0140
16	5	1983	1122	3	0.0	0.0	0.0	0.0	0.0090	0.0090	2.7000	0.0030	0.0800	0.0500	0.0190
18	5	1983	1020	3	0.0	0.0	0.0	0.0	0.0060	0.0060	2.6000	0.0020	0.0700	0.0500	0.0150
20	5	1983	1120	3	0.0	0.0	0.0	0.0	0.0060	0.0060	1.4000	0.0020	0.0400	0.0500	0.0160
25	5	1983	1120	9	0.0	0.0	0.0	0.0	0.0170	0.0170	8.2000	0.0090	0.2300	0.0500	0.0100
1	6	1983	920	9	0.0	0.0	0.0	0.0	0.0300	0.0300	6.0000	0.0150	0.5100	0.0500	0.0700
2	6	1983	1345	3	0.0	0.0	0.0	0.0	0.0140	0.0140	2.2000	0.0150	0.1800	0.0500	0.1800
8	6	1983	1020	9	0.0	0.0	0.0	0.0	0.0050	0.0050	3.8000	0.0070	0.0800	0.0500	0.0300
15	6	1983	1000	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0190

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09DDDD001

PACIFIC AND YUKON REGION
 STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR	NN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HQ-T	ZN-T
22	6	1983	1030	9	0.0	0.0	0.0	0.0	0.0	0.0050	2.3000	0.0060	0.0800	0.0500	0.0140
29	6	1983	930	9	0.0	0.0	0.0	0.0	0.0	0.0070	4.2000	0.0070	0.1000	0.0500	0.0300
6	7	1983	1000	9	0.0	0.0	0.0	0.0	0.0	0.0070	4.7000	0.0070	0.1000	0.0500	0.0330
13	7	1983	1000	9	0.0	0.0	0.0	0.0	0.0	0.0040	2.6000	0.0050	0.0600	0.0500	0.0170
20	7	1983	1200	9	0.0	0.0	0.0	0.0	0.0	0.0050	1.5000	0.0050	0.0400	0.0500	0.0110
27	7	1983	1425	9	0.0	0.0	0.0	0.0	0.0	0.0040	1.2000	0.0040	0.0300	0.0500	0.0040
3	8	1983	930	9	0.0	0.0	0.0	0.0	0.0	0.0070	0.7600	0.0030	0.0200	0.0500	0.0150
11	8	1983	1530	9	0.0	0.0	0.0	0.0	0.0	0.0020	0.8400	0.0030	0.0300	0.0500	0.0040
19	8	1983	1120	9	0.0	0.0	0.0	0.0	0.0	0.0010	1.5000	0.0030	0.0400	0.0500	0.0210
26	8	1983	1103	9	0.0	0.0	0.0	0.0	0.0	0.0140	1.7000	0.0020	0.0400	0.0500	0.0090
31	8	1983	1005	9	0.0	0.0	0.0	0.0	0.0	0.0280	0.2500	0.0020	0.0400	0.0500	0.1300
7	9	1983	1020	9	0.0	0.0	0.0	0.0	0.0	0.0240	0.0100	0.0010	0.0100	0.0500	0.0210
14	9	1983	1005	9	0.0	0.0	0.0	0.0	0.0	0.0030	0.3300	0.0010	0.0020	0.0500	0.0120
21	9	1983	1120	9	0.0	0.0	0.0	0.0	0.0	0.0080	0.0700	0.0020	0.0100	0.0500	0.0280
28	9	1983	1020	9	0.0	0.0	0.0	0.0	0.0	0.0600	0.2400	0.0200	0.0300	0.0500	0.1200

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SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by 1 day samplers mid stream on down stream side of Klondike Highway bridge (465 km), Pelly Crossing. Site is located 2269 km from the mouth of the Yukon River.	LAT 62°49'47"N LONG 136°34'50"W	490 m (1600 ft)	49,000 km ² (18,900 mi ²)	weekly	FIGURE 1 FIGURE 7 PLATE 13 PLATE 14 MAP 115 I/15

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (WSC 09BC001 ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	61.1*	51.0*	47.7*	58.0*	752*	1400	759	733	423	306*	141*	89.7*
MAXIMUM	96.3*	82.1*	70.8*	156*	1630*	2840	1290	683	683	494*	208*	124*
MINIMUM	36.8*	32.6*	33.6*	39.8*	422*	536	540	256	245	121*	58.6*	62.6*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									284	291*	140*	90.4*
1983												

* - ICE CONDITIONS

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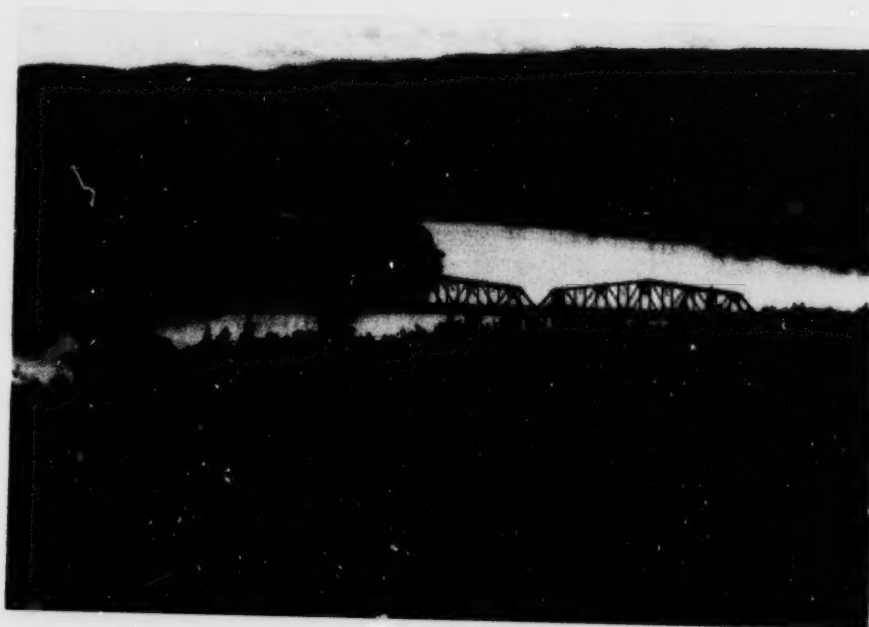


PLATE 13 WATER QUALITY STATION 00YT09BC0002
LOOKING DOWNSTREAM PELLY RIVER FROM THE
KLONDIKE HIGHWAY

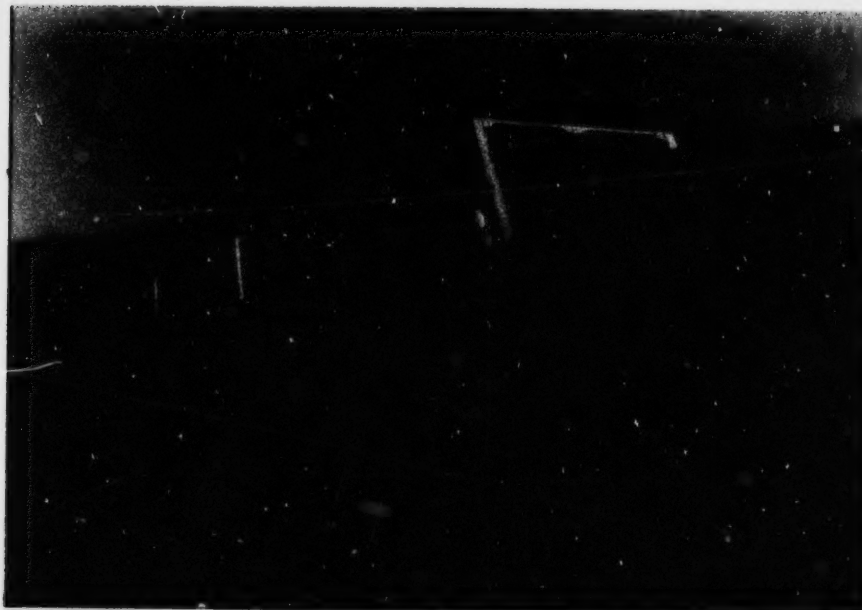


PLATE 14 WATER QUALITY STATION 00YT09BC0002
LOOKING UPSTREAM PELLY RIVER THROUGH THE
KLONDIKE HIGHWAY BRIDGE AT PELLY CROSSING

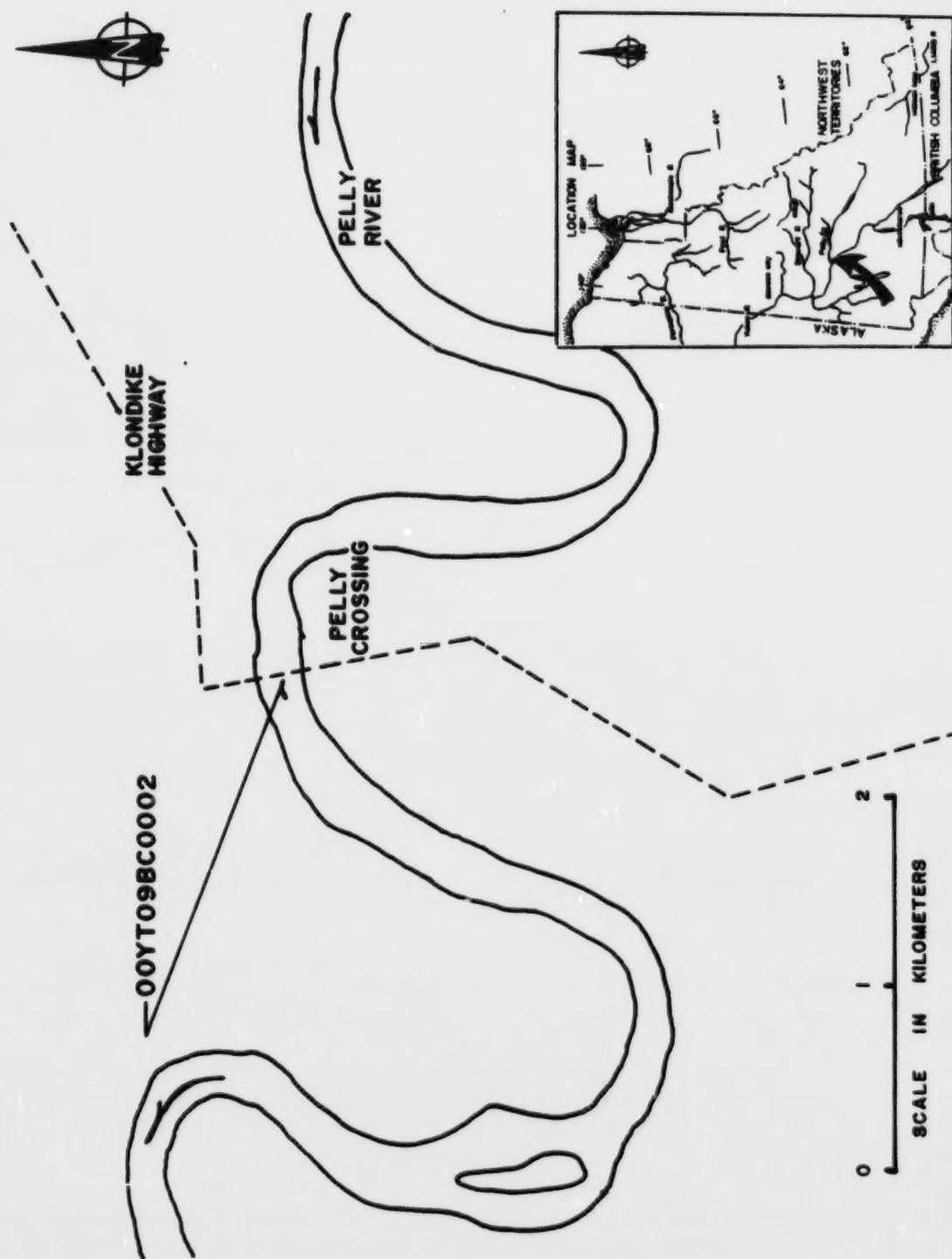


FIGURE 7 PELTY RIVER AT PELTY CROSSING
WATER QUALITY STATION 00YT09BC0002

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0YT08BC0002

REPORT
PELLY RIVER AT PELLY CROSSING

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	CCLR	ALKP
8	7	1982	1012	5	0.0	19.0000	8.1000	162.0000	0.0	8.2000	182.0000	16.0000	5.0000	0.0
8	7	1982	1022	5	0.0	19.0000	8.1000	162.0000	0.0	8.1000	181.0000	18.0000	10.0000	0.0
8	7	1982	1032	5	0.0	19.0000	8.1000	162.0000	0.0	8.0000	182.0000	12.5000	10.0000	0.0
8	7	1982	1042	5	0.0	19.0000	8.1000	162.0000	0.0	8.0000	185.0000	19.0000	10.0000	0.0
8	9	1982	1605	9	19.0000	10.0000	8.2000	0.0	21.5000	8.1900	249.3000	5.4000	15.0000	0.0
15	9	1982	1637	9	25.0000	13.0000	8.2100	0.0	21.9000	8.0800	225.1000	3.5000	17.0000	0.0
22	9	1982	1530	9	13.0000	9.0000	7.9000	0.0	21.0000	8.1900	238.9000	2.6500	8.0000	0.0
28	9	1982	1503	9	12.0000	5.0000	8.3000	0.0	22.1000	8.0500	247.6000	2.1000	8.0000	0.0
6	10	1982	1600	9	3.0000	3.0000	0.0	0.0	22.1000	7.9000	228.5000	4.0000	20.0000	0.0
13	10	1982	1728	8	15.0000	4.0000	7.0000	0.0	22.8000	8.0000	233.9000	3.0000	10.0000	0.0
20	10	1982	1755	9	-2.0000	2.0000	7.8000	0.0	11.6000	8.0500	281.1001	2.9500	13.0000	0.0
27	10	1982	1608	9	-18.0000	1.0000	8.4000	0.0	15.5000	8.2000	313.5000	1.4500	5.0000	0.0
3	11	1982	1600	9	4.0000	3.0000	6.5000	0.0	16.9000	8.0000	294.3000	0.7500	7.0000	0.0
10	11	1982	1600	9	-20.0000	2.0000	7.2000	0.0	20.6000	8.0000	303.0000	0.5100	10.0000	0.0
17	11	1982	1600	9	-22.0000	0.0	6.2000	0.0	20.8000	0.0	286.0000	0.5000	0.0	0.0
24	11	1982	1808	9	-18.0000	0.0	0.0	0.0	21.9000	8.2000	294.0000	0.4900	10.0000	0.0
3	12	1982	1200	9	-20.0000	0.0	0.0	0.0	22.3000	8.1000	305.0000	3.0000	5.0000	0.0
10	12	1982	1200	9	-16.0000	0.0	0.0	0.0	21.6000	8.2500	318.0000	3.8000	5.0000	0.0
15	12	1982	1210	9	-15.0000	0.0	0.0	0.0	18.0000	8.0500	321.0000	1.1000	10.0000	0.0
22	12	1982	1720	9	-20.0000	1.0000	0.0	0.0	19.4000	8.1000	311.0000	0.5500	10.0000	0.0
29	12	1982	1200	9	-10.0000	1.0000	0.0	0.0	20.0000	8.2000	320.0000	2.2000	10.0000	0.0
12	1	1983	1200	9	-35.0000	1.0000	0.0	0.0	21.0000	8.2000	335.0000	1.9000	10.0000	0.0
19	1	1983	1800	8	-10.0000	1.0000	0.0	0.0	21.3000	8.2000	335.0000	1.8000	10.0000	0.0
26	1	1983	1245	8	-25.0000	1.0000	0.0	0.0	21.7000	7.8000	244.0000	0.3100	5.0000	0.0
5	2	1983	1345	8	-10.0000	1.0000	0.0	0.0	21.7000	8.2000	344.0000	0.3000	10.0000	0.0
9	2	1983	1847	8	-10.0000	1.0000	0.0	0.0	22.5000	8.2500	422.0000	0.8400	5.0000	0.0
16	2	1983	1813	8	-30.0000	1.0000	0.0	0.0	21.7000	8.2000	337.0000	0.3100	5.0000	0.0
25	2	1983	1830	9	-10.0000	1.0000	7.0000	0.0	22.5000	8.2500	337.0000	0.2300	5.0000	0.0
2	3	1983	1220	9	-5.0000	1.0000	7.0000	0.0	23.3000	8.1000	339.0000	0.2800	5.0000	0.0
8	3	1983	1200	9	-25.0000	1.0000	7.0000	0.0	21.3000	7.9500	330.0000	0.4700	5.0000	0.0
16	3	1983	1200	9	0.0	3.0000	7.2000	0.0	20.2000	8.2000	342.0000	0.5100	5.0000	0.0
25	3	1983	1830	9	-3.0000	2.0000	7.2000	0.0	21.3000	7.9500	330.0000	0.4800	5.0000	0.0
30	3	1983	1815	8	5.0000	3.0000	7.2000	0.0	20.2000	8.2000	342.0000	0.4800	5.0000	0.0
6	4	1983	1210	9	10.0000	4.0000	7.8000	0.0	21.9000	7.8000	340.0000	0.4800	5.0000	0.0
13	4	1983	1430	8	12.0000	4.0000	7.7000	0.0	22.2000	7.7500	333.0000	2.5000	5.0000	0.0
20	4	1983	1526	9	6.0000	2.0000	7.0000	0.0	20.7000	7.8000	286.0000	2.5000	5.0000	0.0
28	4	1983	1430	8	10.0000	2.0000	7.2000	0.0	23.6000	8.0000	231.0000	5.3000	35.0000	0.0
4	5	1983	918	8	3.0000	2.0000	7.0000	0.0	21.1000	7.7000	211.0000	19.5000	80.0000	0.0
9	5	1983	1413	3	8.0000	5.0000	7.0000	0.0	21.6000	7.7000	173.0000	30.0000	110.0000	0.0
11	5	1983	1410	9	15.0000	5.0000	7.4000	0.0	21.6000	7.6500	162.0000	30.0000	130.0000	0.0
11	5	1983	1415	3	15.0000	5.0000	7.4000	0.0	20.5000	7.6000	164.0000	33.0000	130.0000	0.0
20	5	1983	830	9	10.0000	6.0000	7.3000	0.0	22.5000	7.6000	155.0000	27.0000	100.0000	0.0
2	6	1983	1515	3	15.0000	11.3000	7.7000	100.0000	21.2000	7.7000	139.0000	47.0000	70.0000	0.0
3	6	1983	212	9	17.0000	2.0000	7.7000	0.0	22.1000	7.6000	140.0000	58.0000	70.0000	0.0
8	6	1983	215	9	12.0000	5.5000	7.8000	0.0	20.6000	7.7000	154.0000	51.0000	60.0000	0.0
16	6	1983	1120	9	14.0000	6.0000	7.4000	0.0	22.2000	7.2000	168.0000	24.0000	30.0000	0.0
22	6	1983	1300	9	16.0000	6.0000	7.4000	0.0	21.6000	7.7000	169.0000	4.4000	20.0000	0.0
29	6	1983	1030	9	16.0000	6.0000	7.5000	0.0	22.4000	7.9000	170.0000	8.5000	20.0000	0.0
7	7	1983	960	9	16.0000	17.0000	7.5000	0.0	22.4000	7.9000	187.0000	24.0000	10.0000	0.0
13	7	1983	1000	9	14.0000	6.0000	7.8000	0.0	22.9000	7.9000	217.0000	3.0000	10.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y08BC0002 PELLY RIVER AT PELLY CROSSING PACIFIC AND YUKON REGION

DO	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
20	7	1983	1100	9	12.0000	6.0000	7.5000	0.0	18.4000	7.7000	230.0000	2.0000	10.0000	0.0
27	7	1983	1425	9	23.0000	6.5000	7.5000	0.0	20.8000	8.0000	231.0000	1.6000	15.0000	0.0
3	8	1983	1400	9	18.0000	15.0000	7.2000	0.0	20.7000	8.0000	227.0000	3.2000	10.0000	0.0
10	8	1983	1138	9	14.0000	15.0000	7.3000	0.0	23.1000	8.0500	213.0000	3.8000	10.0000	0.0
17	8	1983	1110	9	11.0000	11.0000	7.3000	0.0	23.8000	7.8000	222.0000	16.0000	15.0000	0.0
24	8	1983	1355	9	18.0000	12.0000	7.3000	0.0	22.9000	7.8000	212.0000	17.0000	20.0000	0.0
29	8	1983	1030	3	6.0000	10.0000	7.3000	0.0	23.6000	7.7500	211.0000	17.0000	15.0000	0.0
31	8	1983	2140	9	12.0000	11.0000	7.4000	0.0	22.9000	7.8000	208.0000	11.0000	20.0000	0.0
31	8	1983	2200	3	12.0000	11.0000	7.2000	0.0	23.0000	7.7500	210.0000	13.0000	20.0000	0.0
2	9	1983	1230	3	13.0000	10.0000	7.2000	0.0	22.7000	7.8500	214.0000	13.0000	15.0000	0.0
5	9	1983	1625	9	10.0000	9.0000	7.3000	0.0	23.3000	7.7500	231.0000	4.6000	15.0000	0.0
14	9	1983	1905	9	9.0000	6.0000	0.0	0.0	22.6000	7.9500	218.0000	4.5000	15.0000	0.0
21	9	1983	1315	9	12.0000	8.0000	0.0	0.0	22.6000	7.9000	235.0000	2.2000	10.0000	0.0
28	9	1983	1345	9	-2.0000	2.0000	0.0	0.0	22.1000	7.9500	242.0000	4.0000	15.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTO98C0002

REPORT
PELLY RIVER AT PELLY CROSSING

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	S04
8	7	1982	1012	5	67.4000	97.5000	25.7000	0.0	0.5000	1.2000	0.3000	0.0500	5.7000	25.5000
8	7	1982	1022	5	69.3000	97.5000	27.5000	0.0	0.5000	1.2000	0.2000	0.0500	5.8000	27.0000
8	7	1982	1032	5	69.5000	98.3000	26.4000	0.0	0.5000	1.4000	0.2000	0.0500	5.7000	25.5000
8	7	1982	1042	5	71.2000	98.1000	26.4000	0.0	0.6000	1.4000	0.2000	0.0500	5.8000	25.5000
8	9	1982	1605	9	95.1000	130.1000	35.3000	10.2000	0.7000	2.2000	0.4000	0.0600	6.1000	35.5000
15	9	1982	1637	9	92.5000	125.7000	34.1000	9.8000	0.8000	2.2000	0.2000	0.0700	6.2000	33.0000
22	9	1982	1530	9	95.2000	128.3000	35.0000	9.9000	0.7000	2.3000	0.3000	0.0900	6.4000	34.5000
29	9	1982	1603	9	97.5000	131.9000	35.3000	10.5000	0.8000	2.4000	0.3000	0.0840	6.4000	34.5000
6	10	1982	1600	9	87.2000	119.7000	32.8000	9.2000	1.0000	2.1000	0.3000	0.0630	6.8000	32.0000
13	10	1982	1728	9	91.3000	125.1000	33.6000	10.0000	0.7000	2.3000	0.3000	0.0600	6.8000	35.0000
20	10	1982	1755	9	101.1000	138.1000	38.2000	10.4000	0.7000	2.3000	0.3000	0.0600	6.8000	36.5000
27	10	1982	1608	9	117.2000	157.7000	43.1000	12.2000	0.7000	1.4000	0.3000	0.0800	7.6000	43.5000
3	11	1982	1600	9	114.1000	157.2000	42.6000	12.3000	0.8000	2.8000	0.4000	0.0600	7.9000	42.5000
10	11	1982	1600	9	119.0000	161.2000	43.0000	13.0000	1.7000	2.9000	0.5000	0.1000	7.9000	41.5000
17	11	1982	1600	9	0.0	0.0	0.0	0.0	0.8000	2.8000	0.4000	0.0800	8.0000	38.5000
24	11	1982	1809	9	114.9000	157.3000	43.2000	11.9000	0.7000	2.7000	0.4000	0.0800	7.8000	41.0000
3	12	1982	1200	9	122.0000	164.0000	44.7000	12.7000	0.7000	2.8000	0.4000	0.1050	8.0000	42.0000
10	12	1982	1200	9	129.0000	168.0000	44.9000	13.6000	1.1000	4.5000	0.5000	0.1100	8.1000	42.9000
15	12	1982	1210	9	126.0000	169.0000	45.5000	13.5000	1.0000	3.0000	0.5000	0.1100	8.0000	42.0000
22	12	1982	1720	9	127.0000	169.0000	46.2000	13.0000	0.9000	2.9000	0.4000	0.1110	8.0000	42.0000
29	12	1982	1200	9	128.0000	170.0000	46.2000	13.3000	0.9000	3.4000	0.5000	0.1090	8.0000	44.5000
12	1	1983	1200	9	136.0000	181.0000	48.5000	14.5000	1.0000	3.2000	0.5000	0.1100	8.2000	45.5000
18	1	1983	1800	9	136.0000	181.0000	48.9000	14.3000	1.0000	3.2000	0.5000	0.1090	8.4000	45.5000
26	1	1983	1245	9	138.0000	181.0000	49.0000	14.2000	1.2000	3.4000	0.5000	0.1100	8.0000	46.5000
5	2	1983	1245	9	84.3000	127.0000	33.8000	10.3000	0.9000	2.7000	0.6000	0.1050	8.0000	45.5000
9	2	1983	1847	9	139.0000	182.0000	49.9000	13.9000	1.4000	3.5000	1.0000	0.1050	8.1000	41.5000
16	2	1983	1813	9	177.0000	235.0000	63.4000	18.6000	1.3000	4.0000	0.6000	0.1280	10.5000	57.0000
25	2	1983	1830	9	137.0000	181.0000	48.3000	14.7000	1.4000	3.3000	1.1000	0.1100	7.9000	49.0000
2	3	1983	1220	9	139.0000	182.0000	48.5000	14.8000	1.1000	3.3000	0.7000	0.1080	7.8000	47.5000
9	3	1983	1200	9	139.0000	182.0000	49.1000	14.4000	1.4000	3.6000	0.8000	0.1080	7.8000	47.0000
16	3	1983	1200	9	136.0000	177.0000	48.5000	13.6000	1.3000	3.4000	0.8000	0.1350	7.7000	43.0000
25	3	1983	1830	9	139.0000	182.0000	49.1000	14.4000	1.1000	3.4000	0.6000	0.1150	7.8000	45.0000
30	3	1983	1815	9	142.0000	181.0000	47.3000	15.3000	1.8000	3.6000	1.0000	0.1130	7.7000	41.5000
6	4	1983	1210	9	138.0000	181.0000	47.6000	15.1000	1.2000	3.4000	0.9000	0.1100	7.6000	42.5000
13	4	1983	1430	9	135.0000	175.0000	47.5000	13.7000	1.3000	3.4000	0.8000	0.1090	7.3000	41.5000
20	4	1983	1526	9	118.0000	149.0000	40.5000	11.6000	1.5000	3.2000	1.0000	0.0950	6.6000	34.0000
29	4	1983	1430	9	85.7000	123.0000	33.1000	9.8000	1.6000	2.6000	0.7000	0.0800	6.1000	27.5000
4	5	1983	918	9	74.2000	105.0000	28.4000	8.3000	1.3000	2.2000	2.2000	0.0870	5.5000	26.5000
9	5	1983	1413	3	68.2000	91.5000	25.6000	6.7000	1.5000	2.2000	1.1000	0.0780	5.6000	16.3000
11	5	1983	1410	9	65.3000	87.1000	24.7000	6.2000	1.4000	2.2000	1.1000	0.0740	5.5000	15.7000
11	5	1983	1415	3	64.6000	87.7000	24.7000	6.3000	1.2000	1.8000	0.9000	0.0750	5.6000	15.4000
20	5	1983	830	9	59.7000	80.3000	21.7000	6.3000	1.0000	1.4000	0.9000	0.0800	5.4000	15.5000
2	6	1983	1515	3	54.3000	70.8000	20.4000	4.8000	1.2000	1.2000	0.8000	0.0680	4.9000	14.8000
3	6	1983	212	9	55.4000	71.8000	20.0000	5.3000	1.2000	1.0000	0.8000	0.1100	5.1000	13.6000
8	6	1983	215	9	56.5000	75.6000	21.1000	5.6000	1.2000	1.2000	0.9000	0.0710	5.7000	20.5000
15	6	1983	1120	9	64.4000	85.8000	23.1000	6.8000	0.9000	1.3000	0.5000	0.0760	6.0000	22.5000
22	6	1983	1300	9	63.0000	84.7000	23.5000	6.3000	0.8000	1.3000	0.6000	0.0810	5.9000	21.0000
29	6	1983	1030	9	63.6000	87.3000	24.1000	6.6000	0.8000	1.3000	0.4000	0.0840	5.9000	22.5000
7	7	1983	950	9	68.7000	96.5000	26.7000	7.2000	0.8000	1.3000	0.3000	0.0870	6.2000	27.0000
13	7	1983	1000	9	84.5000	114.0000	31.0000	8.9000	0.8000	1.9000	0.5000	0.1580	6.3000	30.0000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09BC0002 PELLY RIVER AT PELLY CROSSING PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	ST02	S04
20	7	1983	1100	9	79.5000	118.0000	31.9000	9.3000	0.5000	1.5000	0.4000	0.0900	4.4000	38.5000
27	7	1983	1425	9	92.5000	120.0000	33.1000	9.1000	1.0000	2.2000	0.6000	0.1570	6.5000	28.0000
3	8	1983	1400	8	85.6000	117.0000	32.8000	8.5000	0.6000	1.8000	0.4000	0.1110	5.8000	31.5000
10	8	1983	1138	9	84.3000	116.0000	31.6000	9.0000	0.7000	1.8000	0.3000	0.1380	6.8000	32.5000
17	8	1983	1110	9	80.3000	112.0000	30.8000	8.5000	0.7000	1.8000	0.4000	0.1540	6.8000	32.0000
24	8	1983	1355	9	77.7000	108.0000	29.7000	8.2000	0.7000	1.7000	0.4000	0.1540	7.8000	28.0000
29	8	1983	1030	3	77.0000	107.0000	29.6000	8.0000	0.6000	1.6000	0.5000	0.1320	7.0000	28.0000
31	8	1983	2140	9	77.5000	108.0000	29.8000	8.2000	0.6000	1.7000	0.3000	0.1580	7.0000	28.1000
31	8	1983	2200	3	77.0000	108.0000	28.8000	8.1000	0.6000	1.7000	0.3000	0.1580	7.0000	28.6000
2	9	1983	1230	3	78.8000	110.0000	30.3000	8.3000	0.6000	1.7000	0.3000	0.1590	7.0000	29.0000
5	9	1983	1625	9	82.3000	115.0000	31.4000	8.9000	0.6000	1.7000	0.4000	0.1600	7.0000	30.0000
14	9	1983	1805	9	86.7000	119.0000	33.0000	8.9000	0.7000	1.7000	0.4000	0.1010	7.2000	30.5000
21	9	1983	1315	9	89.0000	122.0000	33.2000	9.5000	0.6000	1.8000	0.4000	0.1030	7.2000	32.5000
28	9	1983	1345	9	92.2000	127.0000	34.4000	10.0000	0.6000	2.0000	0.4000	0.1070	7.0000	32.5000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00V709BC0002

REPORT
PELLY RIVER AT PELLY CROSSING

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
8	7	1982	1012	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	120.0000	0.0	0.0
8	7	1982	1022	5	0.0	18.0000	124.0000	6.0000	104.0000	0.0	0.0	0.0	0.0	0.0
8	7	1982	1032	5	0.0	22.0000	130.0000	6.0000	116.0000	0.0	0.0	0.0	0.0	0.0
8	7	1982	1042	5	0.0	38.0000	58.0000	28.0000	48.0000	0.0	0.0	0.0	0.0	0.0
8	9	1982	1607	9	0.0760	14.0000	142.0000	10.0000	114.0000	0.0003	0.0006	0.0	0.0	0.0
15	9	1982	1637	9	0.3650	10.0000	144.0000	8.0000	114.0000	0.0004	0.0005	0.0	0.0	0.0
22	9	1982	1530	9	0.0890	9.0000	144.0000	7.0000	127.0000	0.0003	0.0006	0.0	0.0	0.0
29	9	1982	1603	9	0.1480	2.0000	161.0000	0.0	138.0000	0.0003	0.0002	0.0	0.0	0.0
6	10	1982	1600	9	0.1220	48.0000	157.0000	43.0000	135.0000	0.0003	0.0001	0.0	0.0	0.0
13	10	1982	1728	9	0.3490	12.0000	141.0000	9.0000	119.0000	0.0001	0.0003	0.0	0.0	0.0
20	10	1982	1755	9	0.0480	11.0000	161.0000	7.0000	143.0000	0.0004	0.0005	0.0	0.0	0.0
27	10	1982	1608	9	0.0820	0.0	140.0000	0.0	122.0000	0.0005	0.0005	0.0	0.0	0.0
3	11	1982	1600	9	0.0700	0.0	0.0	0.0	0.0	0.0003	0.0005	0.0	0.0	0.0
10	11	1982	1600	9	1.2200	6.0000	172.0000	2.0000	154.0000	0.0003	0.0010	0.0	0.0	0.0
17	11	1982	1600	9	2.1300	0.0	0.0	0.0	0.0	0.0001	0.0010	0.0	0.0	0.0
24	11	1982	1808	9	3.2700	0.0	178.0000	0.0	144.0000	0.0002	0.0007	0.0	0.0	0.0
3	12	1982	1200	9	0.5400	12.0000	186.0000	6.0000	140.0000	0.0002	0.0012	0.0	0.0	0.0
10	12	1982	1200	9	0.2140	0.0	0.0	0.0	0.0	0.0002	0.0013	0.0	0.0	0.0
15	12	1982	1210	9	0.1210	0.0	0.0	0.0	0.0	0.0003	0.0015	0.0	0.0	0.0
22	12	1982	1720	9	0.2390	0.0	0.0	0.0	0.0	0.0003	0.0013	0.0	0.0	0.0
29	12	1982	1200	9	0.2800	6.0000	232.0000	2.0000	188.0000	0.0003	0.0013	0.0	0.0	0.0
12	1	1983	1200	9	0.2360	20.0000	278.0000	2.0000	270.0000	0.0002	0.0015	0.0	0.0	0.0
19	1	1983	1800	9	0.3840	74.0000	226.0000	50.0000	176.0000	0.0003	0.0017	0.0	0.0	0.0
26	1	1983	1245	9	0.1470	4.0000	170.0000	0.0	60.0000	0.0008	0.0014	0.0	0.0	0.0
5	2	1983	1345	9	0.5700	16.0000	192.0000	6.0000	134.0000	0.0004	0.0013	0.0	0.0	0.0
9	2	1983	1847	9	0.1550	74.0000	222.0000	36.0000	42.0000	0.0001	0.0008	0.0	0.0	0.0
16	2	1983	1813	9	1.3200	43.0000	358.0000	30.0000	292.0000	0.0006	0.0009	0.0	0.0	0.0
25	2	1983	1830	9	0.2670	1.0000	241.0000	0.0	179.0000	0.0008	0.0010	0.0	0.0	0.0
2	3	1983	1220	9	0.1810	1.0000	253.0000	0.0	222.0000	0.0003	0.0001	0.0	0.0	0.0
9	3	1983	1200	9	0.2150	6.0000	248.0000	1.0000	240.0000	0.0003	0.0006	0.0	0.0	0.0
16	3	1983	1200	9	0.1480	2.0000	210.0000	1.0000	51.0000	0.0002	0.0006	0.0	0.0	0.0
25	3	1983	1830	9	0.4530	18.0000	234.0000	8.0000	195.0000	0.0003	0.0005	0.0	0.0	0.0
30	3	1983	1815	9	0.1560	4.0000	228.0000	1.0000	193.0000	0.0001	0.0014	0.0	0.0	0.0
6	4	1983	1210	9	0.3330	1.0000	210.0000	0.0	166.0000	0.0003	0.0009	0.0	0.0	0.0
13	4	1983	1430	9	0.2870	10.0000	213.0000	8.0000	111.0000	0.0002	0.0007	0.0	0.0	0.0
20	4	1983	1526	9	0.1820	20.0000	165.0000	13.0000	150.0000	0.0002	0.0008	0.0	0.0	0.0
29	4	1983	1430	9	0.1440	23.0000	186.0000	18.0000	140.0000	0.0003	0.0005	0.0	0.0	0.0
4	5	1983	918	9	0.0800	73.0000	204.0000	69.0000	134.0000	0.0003	0.0006	0.0	0.0	0.0
9	5	1983	1413	3	0.0260	128.0000	185.0000	112.0000	107.0000	0.0003	0.0005	0.0	0.0	0.0
11	5	1983	1410	9	0.0250	197.0000	148.0000	166.0000	81.0000	0.0004	0.0003	0.0	0.0	0.0
11	5	1983	1415	3	0.0530	214.0000	142.0000	198.0000	73.0000	0.0005	0.0003	0.0	0.0	0.0
20	5	1983	830	9	0.1730	240.0000	306.0000	205.0000	110.0000	0.0007	0.0003	0.0	0.0	0.0
2	6	1983	1515	3	0.0270	1057.0000	93.0000	887.0000	73.0000	0.0014	0.0004	0.0	0.0	0.0
3	6	1983	212	9	0.0280	371.0000	111.0000	339.0000	70.0000	0.0038	0.0010	0.0	0.0	0.0
8	6	1983	215	9	0.0230	437.0000	79.0000	406.0000	61.0000	0.0056	0.0010	0.0	0.0	0.0
15	6	1983	1120	9	0.0510	66.0000	106.0000	63.0000	31.0000	0.0024	0.0011	0.0	0.0	0.0
22	6	1983	1300	9	0.0640	87.0000	96.0000	74.0000	76.0000	0.0015	0.0012	0.0	0.0	0.0
29	6	1983	1030	9	0.1370	25.0000	119.0000	16.0000	92.0000	0.0007	0.0010	0.0	0.0	0.0
7	7	1983	950	9	0.0280	63.0000	137.0000	54.0000	116.0000	0.0006	0.0009	0.0	0.0	0.0
13	7	1983	1000	9	0.0660	10.0000	153.0000	4.0000	74.0000	0.0004	0.0009	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09BC0002

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
20	7	1983	1100	9	0.0610	23.0000	137.0000	15.0000	102.0000	0.0004	0.0006	0.0	0.0	0.0
27	7	1983	1425	9	0.0580	6.0000	195.0000	5.0000	122.0000	0.0003	0.0008	0.0	0.0	0.0
3	8	1983	1400	9	0.0680	34.0000	180.0000	27.0000	125.0000	0.0003	0.0009	0.0	0.0	0.0
10	8	1983	1138	9	0.1390	28.0000	189.0000	9.0000	144.0000	0.0003	0.0008	0.0	0.0	0.0
17	8	1983	1110	9	0.3350	56.0000	174.0000	51.0000	96.0000	0.0005	0.0008	0.0	0.0	0.0
24	8	1983	1355	9	0.0280	39.0000	238.0000	20.0000	158.0000	0.0007	0.0008	0.0	0.0	0.0
29	8	1983	1030	3	0.0140	57.0000	243.0000	33.0000	175.0000	0.0005	0.0010	0.0	0.0	0.0
31	8	1983	2140	9	0.3070	25.0000	283.0000	2.0000	139.0000	0.0005	0.0009	0.0	0.0	0.0
31	8	1983	2200	3	0.1270	12.0000	189.0000	3.0000	139.0000	0.0004	0.0009	0.0	0.0	0.0
2	9	1983	1230	3	0.3350	35.0000	201.0000	25.0000	159.0000	0.0004	0.0010	0.0	0.0	0.0
5	9	1983	1625	9	0.0400	17.0000	151.0000	12.0000	150.0000	0.0003	0.0001	0.0	0.0	0.0
14	9	1983	1805	9	0.0790	9.0000	172.0000	8.0000	65.0000	0.0003	0.0007	0.0	0.0	0.0
21	9	1983	1315	9	0.2900	7.0000	88.0000	3.0000	66.0000	0.0004	0.0008	0.0	0.0	0.0
28	9	1983	1345	9	0.0870	17.0000	261.0000	8.0000	82.0000	0.0003	0.0009	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00Y08BC0002

PACIFIC AND YUKON REGION
PELLY RIVER AT PELLY CROSSING

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HQ-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
8	7	1982	10	12	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	10	22	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	10	32	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	10	42	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	16	05	9	0.0	0.0	0.0	0.0	0.2030	0.0140	0.0	25.0000	3.0000	0.0
15	9	1982	16	37	9	0.0	0.0	0.0	0.0	0.5050	0.0130	0.0	21.0000	6.4000	0.0
22	9	1982	15	30	9	0.0	0.0	0.0	0.0	0.2210	0.0080	0.0	22.0000	10.0000	0.0
29	9	1982	16	03	9	0.0	0.0	0.0	0.0	0.3600	0.0070	0.0	24.0000	7.8000	0.0
6	10	1982	16	00	9	0.0	0.0	0.0	0.0	0.2680	0.0440	0.0	21.0000	7.0000	0.0
13	10	1982	17	28	9	0.0	0.0	0.0	0.0	0.5320	0.0170	0.0	22.0000	7.0000	0.0
20	10	1982	17	55	9	0.0	0.0	0.0	0.0	0.1510	0.0140	0.0	23.0000	5.6000	0.0
27	10	1982	16	08	9	0.0	0.0	0.0	0.0	0.2150	0.0090	0.0	28.0000	6.3000	0.0
3	11	1982	16	00	9	0.0	0.0	0.0	0.0	0.1780	0.0050	0.0	30.0000	3.9000	0.0
10	11	1982	16	00	9	0.0	0.0	0.0	0.0	1.3400	0.0070	0.0	28.0000	6.1000	0.0
17	11	1982	16	00	9	0.0	0.0	0.0	0.0	2.4500	0.0070	0.0	28.0000	6.8000	0.0
24	11	1982	18	09	9	0.0	0.0	0.0	0.0	3.4600	0.0030	0.0	25.0000	5.0000	0.0
3	12	1982	12	00	9	0.0	0.0	0.0	0.0	0.7120	0.0280	0.0	29.0000	5.2000	0.0
10	12	1982	12	00	9	0.0	0.0	0.0	0.0	0.3210	0.0230	0.0	31.0000	7.8000	0.0
15	12	1982	12	10	9	0.0	0.0	0.0	0.0	0.1950	0.0120	0.0	31.0000	5.5000	0.0
22	12	1982	17	20	9	0.0	0.0	0.0	0.0	0.3120	0.0130	0.0	31.0000	5.8000	0.0
29	12	1982	12	00	9	0.0	0.0	0.0	0.0	0.3410	0.0170	0.0	31.0000	6.6000	0.0
12	1	1983	12	00	9	0.0	0.0	0.0	0.0	0.2980	0.0170	0.0	33.0000	7.6000	0.0
19	1	1983	18	00	9	0.0	0.0	0.0	0.0	0.4460	0.0320	0.0	33.0000	6.3000	0.0
26	1	1983	12	45	9	0.0	0.0	0.0	0.0	0.2310	0.0300	0.0	42.0000	5.6000	0.0
5	2	1983	13	45	9	0.0	0.0	0.0	0.0	1.1620	0.0110	0.0	51.0000	13.0000	0.0
9	2	1983	18	47	9	0.0	0.0	0.0	0.0	0.4660	0.0300	0.0	37.0000	4.2000	0.0
16	2	1983	18	13	9	0.0	0.0	0.0	0.0	1.5800	0.0530	0.0	33.0000	14.0000	0.0
25	2	1983	18	30	9	0.0	0.0	0.0	0.0	0.3710	0.0050	0.0	35.0000	7.2000	0.0
2	3	1983	12	20	9	0.0	0.0	0.0	0.0	0.4820	0.0220	0.0	37.0000	2.0000	0.0
9	3	1983	12	00	9	0.0	0.0	0.0	0.0	0.5710	0.0250	0.0	36.0000	3.3000	0.0
16	3	1983	12	00	9	0.0	0.0	0.0	0.0	0.4330	0.0100	0.0	38.0000	4.3000	0.0
25	3	1983	18	30	9	0.0	0.0	0.0	0.0	0.6210	0.0190	0.0	37.0000	5.8000	0.0
30	3	1983	18	15	9	0.0	0.0	0.0	0.0	1.0900	0.0150	0.0	39.0000	6.2000	0.0
6	4	1983	12	10	9	0.0	0.0	0.0	0.0	0.7520	0.0240	0.0	33.0000	8.6000	0.0
13	4	1983	14	30	9	0.0	0.0	0.0	0.0	1.3700	0.0360	0.0	35.0000	2.5000	0.0
20	4	1983	15	26	9	0.0	0.0	0.0	0.0	0.6820	0.3270	0.0	33.0000	5.3000	0.0
29	4	1983	14	30	9	0.0	0.0	0.0	0.0	0.4170	0.0530	0.0	24.0000	8.0000	0.0
4	5	1983	9	18	9	0.0	0.0	0.0	0.0	0.5250	0.0790	0.0	17.0000	19.0000	0.0
9	5	1983	14	13	3	0.0	0.0	0.0	0.0	0.4210	0.3280	0.0	17.0000	24.0000	0.0
11	5	1983	14	10	9	0.0	0.0	0.0	0.0	0.4480	0.1900	0.0	16.0000	26.0000	0.0
11	5	1983	14	15	3	0.0	0.0	0.0	0.0	0.4920	0.1640	0.0	16.0000	26.0000	0.0
20	5	1983	8	30	9	0.0	0.0	0.0	0.0	0.4330	0.2100	0.0	15.0000	22.0000	0.0
2	6	1983	15	15	3	0.0	0.0	0.0	0.0	0.2040	1.4380	0.0	16.0000	16.0000	0.0
3	6	1983	21	2	9	0.0	0.0	0.0	0.0	0.2120	0.4800	0.0	18.0000	11.0000	0.0
8	6	1983	21	5	9	0.0	0.0	0.0	0.0	0.1800	0.3000	0.0	16.0000	8.5000	0.0
15	6	1983	11	20	9	0.0	0.0	0.0	0.0	0.1650	0.1750	0.0	17.0000	6.3000	0.0
22	6	1983	13	00	9	0.0	0.0	0.0	0.0	0.2080	0.1190	0.0	16.0000	6.1000	0.0
29	6	1983	10	30	9	0.0	0.0	0.0	0.0	0.3120	0.0660	0.0	16.0000	4.0000	0.0
7	7	1983	9	50	9	0.0	0.0	0.0	0.0	0.1420	0.1140	0.0	18.0000	2.3000	0.0
13	7	1983	10	00	9	0.0	0.0	0.0	0.0	0.1790	0.0330	0.0	22.0000	2.9000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08BC0002

PACIFIC AND YUKON REGION
 PELLY RIVER AT PELLY CROSSING

DD	MM	YEAR	HR	MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	ME-X
20	7	1983	1100	9		0.0	0.0	0.0	0.0	0.1510	0.0300	0.0	21.0000	2.1000	0.0
27	7	1983	1425	9		0.0	0.0	0.0	0.0	0.2620	0.0540	0.0	23.0000	5.5000	0.0
3	8	1983	1400	9		0.0	0.0	0.0	0.0	0.1970	0.0430	0.0	22.0000	3.0000	0.0
10	8	1983	1138	9		0.0	0.0	0.0	0.0	0.2420	0.0420	0.0	21.0000	3.5000	0.0
17	8	1983	1110	9		0.0	0.0	0.0	0.0	0.6540	0.0840	0.0	21.0000	2.8000	0.0
24	8	1983	1355	9		0.0	0.0	0.0	0.0	0.1630	0.0920	0.0	21.0000	1.8000	0.0
29	8	1983	1030	3		0.0	0.0	0.0	0.0	0.1440	0.0800	0.0	21.0000	1.2000	0.0
31	8	1983	2140	9		0.0	0.0	0.0	0.0	0.4240	0.0570	0.0	20.0000	3.4000	0.0
31	8	1983	2200	3		0.0	0.0	0.0	0.0	0.2360	0.0840	0.0	21.0000	1.1000	0.0
2	9	1983	1230	3		0.0	0.0	0.0	0.0	0.5240	0.0550	0.0	22.0000	1.2000	0.0
5	9	1983	1625	9		0.0	0.0	0.0	0.0	0.1600	0.0420	0.0	21.0000	5.4000	0.0
14	9	1983	1905	9		0.0	0.0	0.0	0.0	0.2460	0.0360	0.0	22.0000	6.1000	0.0
21	9	1983	1315	9		0.0	0.0	0.0	0.0	0.5690	0.0270	0.0	23.0000	5.1000	0.0
28	9	1983	1345	9		0.0	0.0	0.0	0.0	0.2890	0.0180	0.0	23.0000	4.9000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO9BC0002

PACIFIC AND YUKON REGION
 PELLY RIVER AT PELLY CROSSING

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
8	7	1982	1012	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1022	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1032	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	7	1982	1042	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1605	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	9	1982	1637	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	9	1982	1530	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	9	1982	1603	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	10	1982	1600	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	10	1982	1728	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	10	1982	1755	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	10	1982	1608	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	11	1982	1600	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	11	1982	1600	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	11	1982	1600	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	11	1982	1809	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	12	1982	1200	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	12	1982	1200	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	12	1982	1210	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	12	1982	1720	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	12	1982	1200	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	1	1983	1200	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	1	1983	1800	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1	1983	1245	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	2	1983	1345	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	2	1983	1847	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	2	1983	1813	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	2	1983	1830	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	3	1983	1220	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	3	1983	1200	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	3	1983	1200	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	3	1983	1830	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	3	1983	1815	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	4	1983	1210	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	4	1983	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	4	1983	1526	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	4	1983	1430	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	5	1983	918	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	5	1983	1413	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	5	1983	1410	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	5	1983	1415	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	5	1983	830	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	6	1983	1515	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	6	1983	212	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	6	1983	215	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	6	1983	1120	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	6	1983	1300	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	6	1983	1030	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	1983	950	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	7	1983	1000	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y08BC0002 Pelly River at Pelly Crossing PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HQ-T	ZN-T
20	7	1983	1100	9	0.0	0.0	0.0	0.0	0.0	0.0060	0.8500	0.0020	0.0200	0.0500	0.0040
27	7	1983	1425	9	0.0	0.0	0.0	0.0	0.0	0.0050	0.5500	0.0030	0.0300	0.0500	0.0040
27	8	1983	1400	9	0.0	0.0	0.0	0.0	0.0	0.0060	0.7300	0.0020	0.0300	0.0500	0.0020
10	8	1983	1138	9	0.0	0.0	0.0	0.0	0.0	0.0030	0.7900	0.0030	0.0300	0.0500	0.0160
17	8	1983	1110	9	0.0	0.0	0.0	0.0	0.0	0.0100	1.9000	0.0040	0.0500	0.0500	0.0150
24	8	1983	1355	9	0.0	0.0	0.0	0.0	0.0	0.0080	0.1700	0.0020	0.0500	0.0500	0.0100
28	8	1983	1030	3	0.0	0.0	0.0	0.0	0.0	0.0070	1.7000	0.0020	0.0500	0.0500	0.0060
31	8	1983	2140	9	0.0	0.0	0.0	0.0	0.0	0.0040	1.2000	0.0010	0.0400	0.0500	0.0080
31	8	1983	2200	3	0.0	0.0	0.0	0.0	0.0	0.0130	1.2000	0.0030	0.0400	0.0500	0.0110
2	9	1983	1230	3	0.0	0.0	0.0	0.0	0.0	0.0070	0.9800	0.0010	0.0400	0.0500	0.0130
5	9	1983	1625	9	0.0	0.0	0.0	0.0	0.0	0.0030	0.8400	0.0010	0.0300	0.0500	0.0070
14	9	1983	1805	9	0.0	0.0	0.0	0.0	0.0	0.0020	0.6800	0.0010	0.0300	0.0500	0.0060
21	9	1983	1315	9	0.0	0.0	0.0	0.0	0.0	0.0020	0.5000	0.0010	0.0200	0.0500	0.0080
28	9	1983	1345	9	0.0	0.0	0.0	0.0	0.0	0.0020	0.4200	0.0020	0.0200	0.0500	0.0060

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APPENDIX 2.7

00YT09BC0008 PELLY RIVER AT FARO

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by lay samplers from the downstream side of the bridge on the Cyprus Anvil access road, 3 km from Faro. The sample site is 2509 km from the mouth of the Yukon River.	LAT 62°13'26"N LONG 133°22'43"W	670 m (2200 ft)	22,140 km ² (8,550 mi ²)	weekly	FIGURE 1 FIGURE 8 PLATE 15 PLATE 16 MAP 105 K/3

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1972 - 1982 (WSC 09BC004, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	25.6*	20.5*	18.9*	22.0*	423*	679	374	244	191	150	66.7*	36.9*
MAXIMUM	31.4*	29.2*	24.9*	26.0*	567*	972	533	338	280	214	96.3*	48.2*
MINIMUM	14.5*	10.9*	10.0*	14.2*	183*	400	214	131	117	99.5	47.5*	24.3*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									148	160	54.1*	29.3*
1983	*	*	*	*	*							

* - ICE CONDITIONS

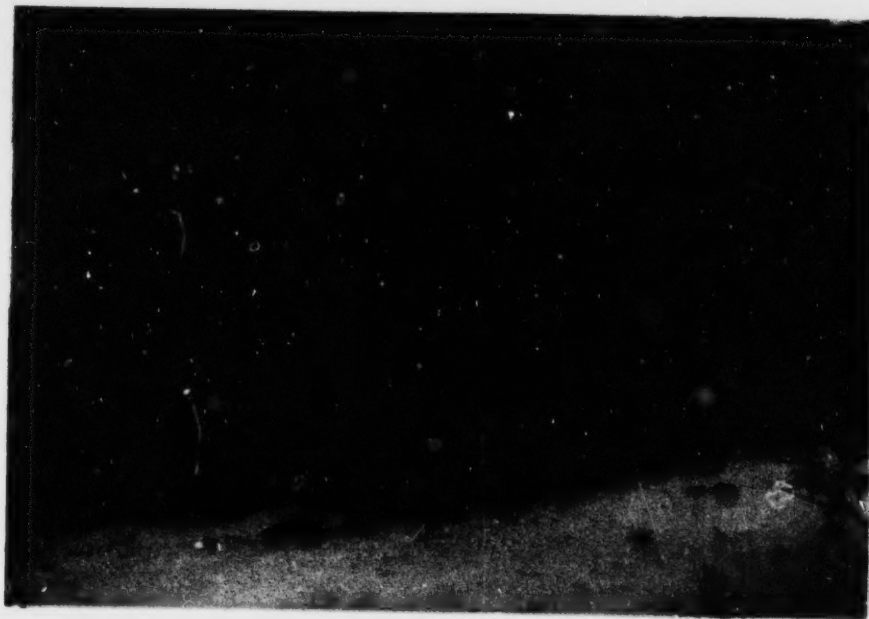


PLATE 15 WATER QUALITY STATION 00YT09BC0008
LOOKING UPSTREAM PELLY RIVER THROUGH THE
FARO ROAD ACCESS BRIDGE AT SAMPLE LOCATION



PLATE 16 WATER QUALITY STATION 00YT09BC0008
LOOKING DOWNSTREAM PELLY RIVER AT SAMPLE SITE
FROM FARO ROAD ACCESS BRIDGE

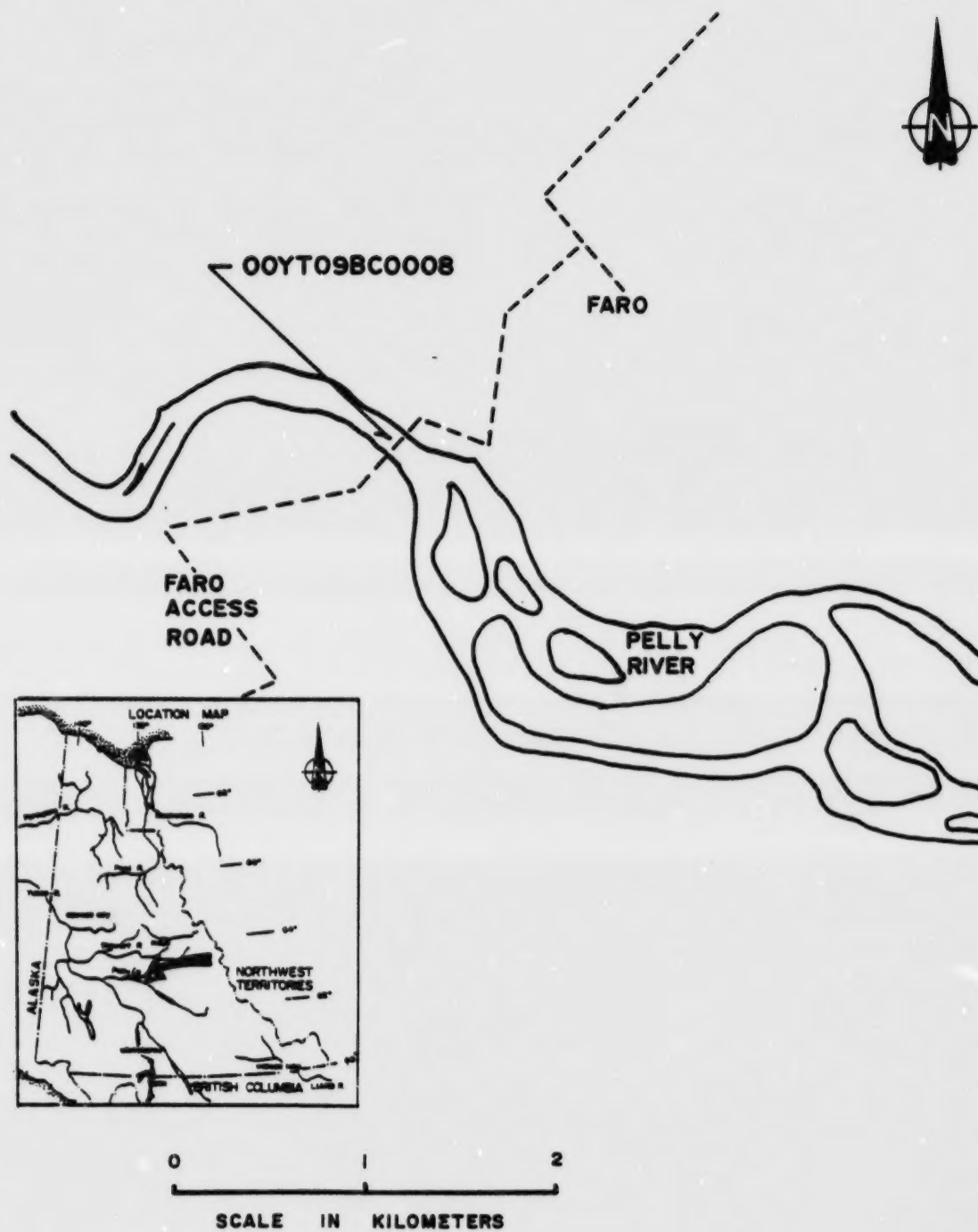


**FIGURE 8 PELLEY RIVER AT FARO
WATER QUALITY STATION O0YT09BC0008**

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER OOVTO9BCC0008

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
7	7	1982	1159	5	0.0	18.5000	8.1000	155.0000	0.0	8.1000	193.0000	3.0000	10.0000	0.0
7	7	1982	1210	5	0.0	18.5000	8.1000	155.0000	0.0	8.3000	188.0000	2.8000	10.0000	0.0
7	7	1982	1219	5	0.0	18.5000	8.1000	155.0000	0.0	8.0000	190.0000	2.0000	5.0000	0.0
8	9	1982	1330	9	13.5000	9.0000	0.0	0.0	21.3000	8.1200	248.3000	2.7500	18.0000	0.0
15	9	1982	1930	9	26.0000	10.0000	0.0	0.0	21.8000	8.0200	218.1000	2.1000	20.0000	0.0
22	9	1982	1345	9	14.5000	6.0000	0.0	0.0	21.6000	8.0000	257.3000	0.5000	8.0000	0.0
29	9	1982	1130	9	12.0000	4.0000	8.1400	0.0	21.9000	8.0000	255.1000	0.5000	8.0000	0.0
6	10	1982	1330	9	10.0000	3.0000	8.1000	0.0	22.1000	7.9000	206.3000	2.0000	18.0000	0.0
13	10	1982	1900	9	0.0	0.0	0.0	0.0	22.9000	8.0000	229.0000	1.5000	13.0000	0.0
20	10	1982	1450	9	-1.0000	0.0	7.4000	0.0	8.2000	7.9300	273.0000	1.0000	10.0000	0.0
27	10	1982	1600	9	-10.0000	-1.0000	7.7000	0.0	16.5000	8.0000	296.3000	0.9800	5.0000	0.0
3	11	1982	1730	9	0.0	-1.0000	7.8000	0.0	17.5000	8.1000	308.7000	0.5100	7.0000	0.0
10	11	1982	730	9	-10.0000	-1.0000	7.3000	0.0	20.8000	8.1000	284.0000	0.3000	10.0000	0.0
17	11	1982	730	9	-10.0000	-1.0000	7.7000	0.0	20.9000	8.0000	283.0000	0.4100	10.0000	0.0
24	11	1982	1130	9	-10.0000	-1.0000	7.7000	0.0	21.5000	8.2000	289.0000	0.2800	10.0000	0.0
1	12	1982	730	9	-10.0000	-1.0000	7.4000	0.0	22.0000	8.0000	302.0000	0.2000	5.0000	0.0
8	12	1982	1200	9	-10.0000	0.0	8.0000	0.0	22.4000	7.9000	297.0000	0.2200	5.0000	0.0
15	12	1982	1200	9	-10.0000	0.0	7.5000	0.0	21.2000	7.8000	310.0000	0.1800	5.0000	0.0
23	12	1982	1200	9	-10.0000	0.0	7.5000	0.0	19.3000	7.8500	303.0000	0.2300	5.0000	0.0
5	1	1983	1200	9	-10.0000	-1.0000	7.4000	0.0	20.1000	8.0000	306.0000	0.2000	5.0000	0.0
12	1	1983	1200	9	-10.0000	-1.0000	7.6000	0.0	20.8000	8.1000	349.0000	2.7000	10.0000	0.0
19	1	1983	1200	9	-10.0000	-1.0000	7.5000	0.0	20.8000	8.0000	325.0000	0.1300	5.0000	0.0
26	1	1983	1200	9	-10.0000	-1.0000	7.5000	0.0	21.3000	8.1000	326.0000	0.2000	5.0000	0.0
2	2	1983	1200	9	-10.0000	-1.0000	7.2000	0.0	21.9000	7.9000	330.0000	0.2500	5.0000	0.0
9	2	1983	1700	9	-10.0000	-1.0000	7.5000	0.0	23.2000	7.9000	334.0000	0.3700	5.0000	0.0
16	2	1983	1730	9	-10.0000	-1.0000	7.6000	0.0	22.4000	8.1000	327.0000	0.1200	5.0000	0.0
23	2	1983	1700	9	-10.0000	-1.0000	7.5000	0.0	22.2000	8.2500	319.0000	0.1500	5.0000	0.0
2	3	1983	1200	9	-10.0000	-1.0000	7.6000	0.0	23.2000	7.9000	333.0000	0.1100	5.0000	0.0
10	3	1983	900	9	-12.5000	-1.0000	7.5000	0.0	20.2000	7.8000	338.0000	0.1100	5.0000	0.0
16	3	1983	1105	9	-1.0000	-1.0000	7.2000	0.0	20.4000	8.0000	336.0000	0.1000	5.0000	0.0
23	3	1983	1425	9	-12.0000	-1.0000	7.6000	0.0	20.6000	8.2000	339.0000	0.1000	5.0000	0.0
30	3	1983	1015	9	-5.0000	-1.0000	7.8000	0.0	21.9000	8.0000	339.0000	0.1500	5.0000	0.0
6	4	1983	1215	9	4.0000	0.0	7.5000	0.0	22.2000	7.8500	340.0000	0.1600	5.0000	0.0
15	4	1983	1115	9	6.0000	0.0	7.6000	0.0	21.4000	8.0000	336.0000	0.1700	5.0000	0.0
27	4	1983	1100	9	15.0000	0.0	7.5000	0.0	23.7000	8.0000	303.0000	0.7700	5.0000	0.0
4	5	1983	1115	9	15.0000	0.0	7.2000	0.0	21.5000	7.8000	233.0000	2.7000	50.0000	0.0
11	5	1983	900	9	8.0000	0.5000	7.8000	0.0	20.5000	7.7000	169.0000	30.0000	110.0000	0.0
18	5	1983	930	9	9.0000	5.0000	7.8000	0.0	21.0000	7.8000	154.0000	22.0000	90.0000	0.0
25	5	1983	930	9	9.0000	5.0000	7.9000	0.0	22.5000	7.7000	163.0000	9.4000	55.0000	0.0
30	5	1983	1000	3	18.0000	9.0000	7.9000	0.0	22.1000	7.8000	154.0000	13.0000	40.0000	0.0
1	6	1983	845	9	15.0000	9.0000	7.8000	0.0	21.8000	7.8000	155.0000	52.0000	50.0000	0.0
1	6	1983	910	3	15.0000	9.0000	0.0	0.0	22.0000	7.9000	156.0000	48.0000	50.0000	0.0
3	6	1983	945	3	8.0000	7.0000	7.8000	0.0	22.3000	7.7000	143.0000	54.0000	30.0000	0.0
6	6	1983	1020	3	15.0000	9.0000	7.8000	0.0	22.0000	7.7000	147.0000	47.0000	30.0000	0.0
8	6	1983	1145	9	11.0000	8.0000	7.9000	0.0	21.9000	7.8000	159.0000	33.0000	40.0000	0.0
8	6	1983	1148	3	11.0000	8.0000	7.5000	0.0	21.9000	7.8000	158.0000	29.0000	40.0000	0.0
10	6	1983	1400	3	8.0000	8.0000	7.8000	0.0	20.9000	7.8000	154.0000	26.0000	30.0000	0.0
13	6	1983	845	3	12.0000	10.0000	7.7000	0.0	21.0000	7.7000	157.0000	21.0000	30.0000	0.0
15	6	1983	1045	9	15.0000	10.0000	7.6000	0.0	22.4000	7.6000	162.0000	29.0000	30.0000	0.0
15	6	1983	1048	3	15.0000	10.0000	7.2000	0.0	21.9000	7.7000	164.0000	16.0000	20.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 28, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YT08C0008 PELLY RIVER AT FARO PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
17	6	1983	800	3	12.0000	10.0000	7.9000	0.0	21.4000	7.7000	169.0000	3.6000	20.0000	0.0
22	6	1983	830	8	14.0000	12.0000	7.9000	0.0	21.4000	7.7000	168.0000	0.3700	15.0000	0.0
29	6	1983	830	8	17.5000	15.0000	7.9000	0.0	21.1000	7.8500	174.0000	5.6000	15.0000	0.0
6	7	1983	1530	8	20.0000	17.0000	8.0000	0.0	22.3000	7.8000	195.0000	2.8000	5.0000	0.0
13	7	1983	915	8	15.0000	12.0000	8.1000	0.0	22.9000	7.8000	219.0000	2.5000	5.0000	0.0
20	7	1983	1400	9	18.0000	15.0000	8.2000	0.0	18.8000	7.9000	220.0000	2.3000	10.0000	0.0
27	7	1983	840	8	15.0000	15.0000	8.2000	0.0	21.0000	8.0000	227.0000	1.8000	15.0000	0.0
3	8	1983	1115	9	13.0000	15.0000	8.1000	0.0	21.8000	7.9500	235.0000	1.8000	10.0000	0.0
10	8	1983	1030	9	15.0000	14.0000	8.1000	0.0	23.1000	8.0500	240.0000	0.7100	10.0000	0.0
17	8	1983	1600	9	11.0000	11.0000	8.0000	0.0	23.6000	7.8500	219.0000	6.8000	15.0000	0.0
24	8	1983	1130	9	10.0000	10.0000	8.1000	0.0	23.6000	7.8000	218.0000	10.0000	15.0000	0.0
31	8	1983	1745	9	15.0000	12.0000	8.0000	0.0	22.9000	7.7500	223.0000	0.3600	15.0000	0.0
7	9	1983	1630	9	8.0000	8.0000	8.0000	0.0	22.8000	7.6000	236.0000	5.2000	15.0000	0.0
14	9	1983	1645	9	10.0000	8.0000	7.9000	0.0	22.2000	7.9000	233.0000	0.7600	10.0000	0.0
22	9	1983	1230	9	10.0000	6.0000	8.0000	0.0	22.8000	8.0000	238.0000	1.7000	15.0000	0.0
28	9	1983	1130	9	-12.0000	-1.0000	7.2000	0.0	21.7000	7.9000	240.0000	1.9000	15.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00Y09BC0008

REPORT
PELLY RIVER AT FARO

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	ST02	S04
7	7	1982	1159	5	74.9000	104.0000	27.2000	0.0	0.4000	1.0000	0.2000	0.0510	5.1000	25.0000
7	7	1982	1210	5	75.1000	104.0000	27.3000	0.0	0.4000	1.0000	0.2000	0.0500	5.1000	26.0000
7	7	1982	1219	5	75.3000	105.0000	27.7000	0.0	0.5000	1.1000	0.2000	0.0500	5.2000	26.0000
8	9	1982	1330	9	96.0000	133.4000	33.4000	12.4000	0.6000	1.5000	0.2000	0.0600	5.5000	36.0000
15	9	1982	1930	9	86.9000	122.2000	32.8000	9.8000	0.6000	1.4000	0.2000	0.0600	5.8000	32.0000
22	9	1982	1345	9	92.7000	128.3000	34.1000	10.5000	0.5000	1.5000	0.2000	0.0600	5.6000	34.0000
28	9	1982	1130	9	94.9000	130.5000	34.9000	10.6000	0.5000	1.6000	0.2000	0.0680	5.7000	32.5000
6	10	1982	1330	9	78.8000	111.5000	30.2000	8.8000	0.4000	1.2000	0.2000	0.0610	6.4000	31.5000
13	10	1982	1900	9	88.4000	124.0000	33.2000	9.9800	0.5000	1.5000	0.2000	0.0630	6.0000	34.0000
20	10	1982	1450	9	95.7000	133.5000	36.5000	10.6000	0.5000	1.6000	0.2000	0.0500	6.3000	36.5000
27	10	1982	1600	9	108.5000	149.1000	40.8000	11.5000	0.5000	1.7000	0.3000	0.0700	6.6000	42.0000
3	11	1982	1730	9	117.8000	163.2000	43.6000	13.2000	0.5000	1.9000	0.3000	0.0700	6.9000	40.5000
10	11	1982	730	9	114.8000	154.5000	38.6000	13.6000	0.5000	1.8000	0.4000	0.1000	6.7000	34.5000
17	11	1982	730	9	113.1000	154.7000	41.6000	12.4000	0.6000	1.8000	0.3000	0.0800	6.8000	38.0000
24	11	1982	1130	9	117.1000	158.7000	42.2000	13.0000	0.6000	1.8000	0.4000	0.0800	5.1000	40.5000
1	12	1982	730	9	120.0000	163.0000	42.9000	13.6000	0.5000	1.8000	0.3000	0.1000	7.0000	40.5000
8	12	1982	1200	9	120.0000	162.0000	43.2000	13.1000	0.6000	2.0000	0.4000	0.0980	6.8000	40.0000
15	12	1982	1200	9	122.0000	165.0000	43.8000	13.5000	0.6000	2.0000	0.4000	0.1080	7.0000	41.0000
23	12	1982	1200	9	124.0000	167.0000	44.2000	13.8000	0.7000	2.0000	0.3000	0.0980	7.0000	42.5000
5	1	1983	1200	9	123.0000	165.0000	44.0000	13.4000	0.5000	1.8000	0.3000	0.1000	6.7000	42.0000
12	1	1983	1200	9	180.0000	140.0000	47.9000	4.9400	1.8000	4.6000	3.9000	0.1050	7.0000	47.0000
19	1	1983	1200	9	131.0000	177.0000	47.0000	14.5000	0.7000	2.1000	0.4000	0.0980	7.0000	45.5000
26	1	1983	1200	9	132.0000	178.0000	47.1000	14.7000	0.7000	2.0000	0.4000	0.0880	6.9000	45.0000
2	2	1983	1200	9	133.0000	178.0000	47.3000	14.5000	0.7000	2.2000	0.4000	0.1060	6.8000	45.0000
9	2	1983	1700	9	133.0000	179.0000	45.9000	15.6000	0.6000	2.1000	0.4000	0.1060	6.8000	45.0000
16	2	1983	1730	9	135.0000	181.1000	47.7000	15.1000	0.7000	2.0000	0.4000	0.0950	6.9000	48.5000
23	2	1983	1700	9	133.0000	181.0000	47.6000	15.1000	0.7000	2.1000	0.4000	0.0960	6.7000	48.0000
2	3	1983	1200	9	135.0000	181.0000	47.7000	15.0000	0.7000	2.1000	0.4000	0.1040	6.8000	49.0000
10	3	1983	900	9	135.0000	182.0000	51.5000	13.0000	0.6000	2.0000	0.3000	0.1140	6.8000	46.0000
16	3	1983	1105	9	136.0000	185.0000	48.9000	15.3000	0.8000	2.2000	0.4000	0.1060	6.8000	46.0000
23	3	1983	1425	9	138.0000	184.0000	48.5000	15.6000	0.7000	2.0000	0.3000	0.1030	6.8000	42.5000
30	3	1983	1015	9	137.0000	184.0000	47.9000	15.6000	0.7000	2.1000	0.4000	0.1000	6.6000	43.5000
6	4	1983	1215	9	138.0000	186.0000	48.4000	15.8000	0.7000	2.0000	0.4000	0.1000	6.5000	44.0000
15	4	1983	1115	9	137.0000	185.0000	48.4000	15.6000	0.8000	2.1000	0.4000	0.0950	5.7000	41.0000
27	4	1983	1100	9	119.0000	163.0000	42.3000	13.9000	0.8000	2.1000	0.4000	0.0950	5.7000	41.0000
4	5	1983	1115	9	92.3000	125.0000	33.5000	10.0000	1.0000	1.8000	0.7000	0.0940	5.7000	30.0000
11	5	1983	900	9	65.9000	89.9000	24.7000	6.9000	0.8000	1.0000	0.9000	0.0660	5.1000	18.0000
18	5	1983	930	9	58.8000	80.3000	22.3000	6.0000	0.8000	1.1000	0.9000	0.0650	4.9000	16.9000
25	5	1983	930	9	60.4000	82.9000	21.9000	6.9000	0.7000	1.0000	0.9000	0.0650	4.9000	16.9000
30	5	1983	1000	3	59.5000	78.1000	21.7000	5.8000	0.6000	0.9000	0.7000	0.0880	4.9000	17.2000
1	6	1983	845	9	64.1000	78.3000	23.2000	4.9000	0.8000	0.7000	0.7000	0.0930	4.5000	14.9000
1	6	1983	910	3	64.0000	80.5000	22.5000	5.9000	0.8000	0.7000	0.7000	0.1160	4.5000	14.6000
3	6	1983	945	3	54.6000	72.0000	20.0000	5.4000	1.0000	0.6000	0.7000	0.1160	4.6000	14.7000
6	6	1983	1020	3	55.8000	74.6000	20.6000	5.6000	1.0000	0.8000	0.8000	0.1110	5.1000	18.0000
8	6	1983	1145	9	60.8000	80.3000	22.2000	6.0000	0.7000	1.1000	0.5000	0.0670	5.2000	19.5000
8	6	1983	1148	3	67.6000	79.9000	21.9000	6.1000	0.7000	1.1000	0.5000	0.0640	5.2000	19.0000
10	6	1983	1400	3	62.2000	82.5000	22.7000	6.9000	0.7000	1.1000	0.5000	0.0720	5.3000	21.0000
13	6	1983	945	3	64.4000	83.0000	23.1000	6.1000	0.6000	1.0000	0.4000	0.0730	5.4000	21.5000
15	6	1983	1045	9	60.6000	81.8000	21.8000	6.6000	0.6000	0.8000	0.5000	0.0750	5.4000	22.5000
15	6	1983	1048	3	61.8000	82.8000	21.8000	6.9000	0.6000	0.9000	0.4000	0.0710	5.4000	22.0000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTO98C0008

DD	MM	YEAR	HR:	MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	SD4
17	6	1983	900	3		61.7000	84.9000	22.5000	7.0000	0.5000	0.9000	0.4000	0.0700	5.4000	22.5000
22	6	1983	830	9		62.0000	86.5000	23.7000	6.6000	0.5000	0.9000	0.4000	0.0970	5.3000	23.5000
29	6	1983	830	9		66.4000	92.5000	24.5000	7.6000	0.4000	0.8000	0.3000	0.0810	5.4000	23.5000
6	7	1983	1530	9		74.1000	104.0000	27.8000	8.4000	0.6000	1.0000	0.3000	0.0940	5.5000	28.5000
13	7	1983	915	9		84.6000	120.0000	31.0000	10.3000	0.5000	1.1000	0.3000	0.1290	5.5000	32.0000
20	7	1983	1400	9		82.1000	114.0000	30.3000	9.3000	0.6000	1.2000	0.3000	0.1000	5.8000	30.5000
27	7	1983	840	9		87.1000	120.0000	32.4000	9.5000	0.6000	1.3000	0.3000	0.1460	5.9000	32.0000
3	8	1983	1115	9		91.6000	125.0000	33.9000	9.8000	0.5000	1.3000	0.3000	0.1120	5.9000	33.5000
10	8	1983	1030	9		89.2000	123.0000	33.4000	9.6000	0.6000	1.3000	0.3000	0.1360	5.9000	33.5000
17	8	1983	1600	9		79.9000	112.0000	30.8000	8.5000	0.5000	1.2000	0.3000	0.1500	5.9000	31.0000
24	8	1983	1130	9		81.6000	113.0000	31.2000	8.3000	0.5000	1.3000	0.4000	0.1210	6.2000	29.0000
31	8	1983	1745	9		82.2000	114.0000	31.2000	8.8000	0.5000	1.3000	0.3000	0.1510	6.2000	27.0000
7	9	1983	1630	9		88.8000	123.0000	33.0000	8.9000	0.5000	1.3000	0.4000	0.1500	6.3000	30.0000
14	9	1983	1645	9		91.6000	125.0000	34.2000	9.6000	0.5000	1.3000	0.3000	0.0990	6.4000	30.5000
22	9	1983	1230	9		94.0000	127.0000	34.3000	10.0000	0.5000	1.4000	0.3000	0.1040	6.5000	32.0000
28	9	1983	1130	9		92.2000	127.0000	34.8000	9.7000	0.5000	1.4000	0.4000	0.1060	6.4000	31.5000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA										REPORT				PACIFIC AND YUKON REGION			
REPORT FOR STATION NUMBER										PELLY RIVER AT FARD							
COYT08BC0008																	
DD	MM	YEAR	HR:MM	L	NW-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X			
7	7	1982	1159	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
7	7	1982	1210	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
7	7	1982	1219	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
8	9	1982	1330	9	0.0150	8.0000	145.0000	1.0000	126.0000	0.0003	0.0007	0.0	0.0	0.0			
15	9	1982	1930	9	0.0120	1.0000	144.0000	0.0	134.0000	0.0003	0.0006	0.0	0.0	0.0			
22	9	1982	1345	9	0.0810	10.0000	132.0000	8.0000	96.0000	0.0003	0.0002	0.0	0.0	0.0			
29	9	1982	1130	9	0.0050	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0	0.0	0.0			
6	10	1982	1330	9	0.0290	14.0000	137.0000	11.0000	116.0000	0.0003	0.0001	0.0	0.0	0.0			
13	10	1982	1900	9	0.0310	2.0000	147.0000	0.0	133.0000	0.0002	0.0003	0.0	0.0	0.0			
20	10	1982	1450	9	0.2870	6.0000	158.0000	2.0000	126.0000	0.0003	0.0008	0.0	0.0	0.0			
27	10	1982	1600	9	0.2360	0.0	120.0000	0.0	116.0000	0.0003	0.0005	0.0	0.0	0.0			
3	11	1982	1730	9	0.0580	0.0	0.0	0.0	0.0	0.0003	0.0005	0.0	0.0	0.0			
10	11	1982	730	9	0.0570	16.0000	168.0000	2.0000	144.0000	0.0002	0.0009	0.0	0.0	0.0			
17	11	1982	730	9	0.1220	6.0000	248.0000	0.0	242.0000	0.0003	0.0007	0.0	0.0	0.0			
24	11	1982	1130	9	0.4390	0.0	188.0000	0.0	80.0000	0.0001	0.0008	0.0	0.0	0.0			
1	12	1982	730	9	0.1170	2.0000	182.0000	2.0000	134.0000	0.0001	0.0011	0.0	0.0	0.0			
8	12	1982	1200	9	0.1060	0.0	0.0	0.0	0.0	0.0003	0.0013	0.0	0.0	0.0			
15	12	1982	1200	9	0.1070	0.0	0.0	0.0	0.0	0.0002	0.0017	0.0	0.0	0.0			
23	12	1982	1200	9	0.1290	0.0	0.0	0.0	0.0	0.0003	0.0016	0.0	0.0	0.0			
5	1	1983	1200	9	0.4280	0.0	314.0000	0.0	298.0000	0.0002	0.0014	0.0	0.0	0.0			
12	1	1983	1200	9	0.0980	0.0	0.0	0.0	0.0	0.0003	0.0014	0.0	0.0	0.0			
19	1	1983	1200	9	0.1220	16.0000	246.0000	2.0000	194.0000	0.0002	0.0018	0.0	0.0	0.0			
26	1	1983	1200	9	0.1930	12.0000	196.0000	6.0000	100.0000	0.0002	0.0013	0.0	0.0	0.0			
2	2	1983	1200	9	0.1250	2.0000	208.0000	0.0	114.0000	0.0002	0.0010	0.0	0.0	0.0			
9	2	1983	1700	9	0.1860	10.0000	230.0000	4.0000	40.0000	0.0	0.0	0.0	0.0	0.0			
16	2	1983	1730	9	0.1240	2.0000	260.0000	0.0	187.0000	0.0002	0.0002	0.0	0.0	0.0			
23	2	1983	1700	9	0.1320	6.0000	186.0000	1.0000	119.0000	0.0002	0.0009	0.0	0.0	0.0			
2	3	1983	1200	9	0.1110	1.0000	222.0000	0.0	207.0000	0.0001	0.0006	0.0	0.0	0.0			
10	3	1983	900	9	0.2360	1.0000	198.0000	0.0	170.0000	0.0001	0.0006	0.0	0.0	0.0			
16	3	1983	1105	9	0.1390	11.0000	232.0000	5.0000	138.0000	0.0001	0.0006	0.0	0.0	0.0			
23	3	1983	1425	9	0.1250	18.0000	228.0000	7.0000	187.0000	0.0002	0.0018	0.0	0.0	0.0			
30	3	1983	1015	9	0.2980	5.0000	187.0000	1.0000	176.0000	0.0002	0.0008	0.0	0.0	0.0			
6	4	1983	1215	9	0.1000	1.0000	186.0000	1.0000	152.0000	0.0002	0.0009	0.0	0.0	0.0			
15	4	1983	1115	9	0.0890	11.0000	195.0000	9.0000	146.0000	0.0001	0.0008	0.0	0.0	0.0			
27	4	1983	1100	9	0.0320	5.0000	240.0000	2.0000	227.0000	0.0002	0.0008	0.0	0.0	0.0			
4	5	1983	1115	9	0.0370	35.0000	198.0000	32.0000	158.0000	0.0002	0.0007	0.0	0.0	0.0			
11	5	1983	900	9	0.0220	291.0000	115.0000	265.0000	56.0000	0.0004	0.0004	0.0	0.0	0.0			
18	5	1983	930	9	0.0380	0.0	0.0	0.0	0.0	0.0004	0.0004	0.0	0.0	0.0			
25	5	1983	830	9	0.0220	11.0000	177.0000	0.0	96.0000	0.0004	0.0004	0.0	0.0	0.0			
30	5	1983	1000	3	0.0210	91.0000	102.0000	63.0000	23.0000	0.0004	0.0005	0.0	0.0	0.0			
1	6	1983	845	9	0.0280	311.0000	96.0000	263.0000	95.0000	0.0044	0.0006	0.0	0.0	0.0			
1	6	1983	910	3	0.0770	363.0000	131.0000	315.0000	24.0000	0.0056	0.0007	0.0	0.0	0.0			
3	6	1983	945	3	0.0270	328.0000	110.0000	301.0000	68.0000	0.0032	0.0008	0.0	0.0	0.0			
6	6	1983	1020	3	0.0390	147.0000	116.0000	135.0000	60.0000	0.0017	0.0008	0.0	0.0	0.0			
8	6	1983	1145	9	0.0350	156.0000	110.0000	147.0000	52.0000	0.0011	0.0010	0.0	0.0	0.0			
8	6	1983	1148	3	0.0350	144.0000	116.0000	139.0000	57.0000	0.0005	0.0009	0.0	0.0	0.0			
10	6	1983	1400	3	0.1290	165.0000	79.0000	150.0000	63.0000	0.0009	0.0009	0.0	0.0	0.0			
13	6	1983	845	3	0.0430	57.0000	86.0000	48.0000	45.0000	0.0006	0.0009	0.0	0.0	0.0			
15	6	1983	1045	9	0.0330	68.0000	105.0000	60.0000	13.0000	0.0008	0.0011	0.0	0.0	0.0			
15	6	1983	1048	3	0.0350	55.0000	103.0000	42.0000	66.0000	0.0007	0.0011	0.0	0.0	0.0			

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09BC0008

PACIFIC AND YUKON REGION
PELLY RIVER AT FARO

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
17	6	1983	900	3	0.0430	73.0000	110.0000	60.0000	70.0000	0.0002	0.0007	0.0	0.0	0.0
22	6	1983	830	9	2.6600	73.0000	118.0000	67.0000	84.0000	0.0002	0.0008	0.0	0.0	0.0
29	6	1983	830	9	0.0640	46.0000	117.0000	36.0000	110.0000	0.0005	0.0012	0.0	0.0	0.0
5	7	1983	1530	9	0.0590	36.0000	169.0000	28.0000	103.0000	0.0006	0.0011	0.0	0.0	0.0
13	7	1983	915	9	0.1090	17.0000	143.0000	11.0000	122.0000	0.0004	0.0009	0.0	0.0	0.0
20	7	1983	1400	9	0.0750	25.0000	140.0000	21.0000	105.0000	0.0003	0.0001	0.0	0.0	0.0
27	7	1983	940	9	0.0540	8.0000	157.0000	4.0000	76.0000	0.0004	0.0009	0.0	0.0	0.0
3	8	1983	1115	9	0.0070	23.0000	100.0000	11.0000	73.0000	0.0013	0.0010	0.0	0.0	0.0
10	8	1983	1030	9	0.0200	10.0000	207.0000	4.0000	152.0000	0.0003	0.0009	0.0	0.0	0.0
17	8	1983	1600	9	0.0070	35.0000	172.0000	21.0000	110.0000	0.0003	0.0008	0.0	0.0	0.0
24	8	1983	1130	9	1.1100	22.0000	139.0000	20.0000	59.0000	0.0004	0.0009	0.0	0.0	0.0
31	8	1983	1745	9	0.0250	8.0000	156.0000	7.0000	140.0000	0.0004	0.0009	0.0	0.0	0.0
7	9	1983	1630	9	0.0090	12.0000	256.0000	2.0000	197.0000	0.0004	0.0009	0.0	0.0	0.0
14	9	1983	1645	9	0.0080	8.0000	216.0000	5.0000	90.0000	0.0003	0.0007	0.0	0.0	0.0
22	9	1983	1230	9	1.1200	12.0000	174.0000	5.0000	57.0000	0.0023	0.0008	0.0	0.0	0.0
28	9	1983	1130	9	0.6040	13.0000	273.0000	5.0000	130.0000	0.0003	0.0009	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00Y08BC0008
PELLY RIVER AT FARO PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
7	7	1982	1159	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	1982	1210	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	1982	1218	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1330	9	0.0	0.0	0.0	0.0	0.1010	0.0230	0.0	22.0000	6.0000	0.0
15	9	1982	1930	9	0.0	0.0	0.0	0.0	0.1090	0.0220	0.0	21.0000	6.8000	0.0
22	9	1982	1345	9	0.0	0.0	0.0	0.0	0.2090	0.0150	0.0	22.0000	8.2000	0.0
29	9	1982	1130	9	0.0	0.0	0.0	0.0	0.0970	0.0050	0.0	23.0000	7.7000	0.0
6	10	1982	1330	9	0.0	0.0	0.0	0.0	0.1550	0.0410	0.0	17.0000	23.0000	0.0
13	10	1982	1900	9	0.0	0.0	0.0	0.0	0.1620	0.0110	0.0	21.0000	6.3000	0.0
20	10	1982	1450	9	0.0	0.0	0.0	0.0	0.5540	0.0130	0.0	22.0000	5.2000	0.0
27	10	1982	1600	8	0.0	0.0	0.0	0.0	0.3780	0.0090	0.0	27.0000	4.8000	0.0
3	11	1982	1730	9	0.0	0.0	0.0	0.0	0.1600	0.0130	0.0	30.0000	4.1000	0.0
10	11	1982	730	9	0.0	0.0	0.0	0.0	0.1360	0.0070	0.0	28.0000	4.3000	0.0
17	11	1982	730	9	0.0	0.0	0.0	0.0	0.2310	0.0090	0.0	31.0000	3.1000	0.0
24	11	1982	1130	9	0.0	0.0	0.0	0.0	0.5750	0.0060	0.0	28.0000	4.8000	0.0
1	12	1982	730	9	0.0	0.0	0.0	0.0	0.2190	0.0050	0.0	29.0000	4.2000	0.0
8	12	1982	1200	9	0.0	0.0	0.0	0.0	0.2730	0.0080	0.0	29.0000	4.7000	0.0
15	12	1982	1200	9	0.0	0.0	0.0	0.0	0.1900	0.0070	0.0	27.0000	8.3000	0.0
23	12	1982	1200	9	0.0	0.0	0.0	0.0	0.2240	0.0070	0.0	31.0000	5.6000	0.0
5	1	1983	1200	9	0.0	0.0	0.0	0.0	0.6060	0.0050	0.0	33.0000	4.7000	0.0
12	1	1983	1200	9	0.0	0.0	0.0	0.0	0.1480	0.0110	0.0	12.0000	4.1000	0.0
19	1	1983	1200	9	0.0	0.0	0.0	0.0	0.2050	0.0030	0.0	32.0000	5.9000	0.0
26	1	1983	1200	9	0.0	0.0	0.0	0.0	0.2310	0.0080	0.0	41.0000	5.0000	0.0
2	2	1983	1200	9	0.0	0.0	0.0	0.0	0.1970	0.0090	0.0	33.0000	3.6000	0.0
9	2	1983	1700	9	0.0	0.0	0.0	0.0	0.2320	0.0040	0.0	18.0000	4.3000	0.0
16	2	1983	1730	9	0.0	0.0	0.0	0.0	0.1770	0.0060	0.0	30.0000	7.8000	0.0
23	2	1983	1700	9	0.0	0.0	0.0	0.0	0.1940	0.0070	0.0	33.0000	4.0000	0.0
2	3	1983	1200	9	0.0	0.0	0.0	0.0	0.2000	0.0060	0.0	35.0000	2.8000	0.0
10	3	1983	900	9	0.0	0.0	0.0	0.0	0.3060	0.0070	0.0	35.0000	3.1000	0.0
16	3	1983	1105	9	0.0	0.0	0.0	0.0	0.2080	0.0080	0.0	37.0000	3.5000	0.0
23	3	1983	1425	9	0.0	0.0	0.0	0.0	0.1820	0.0050	0.0	37.0000	4.6000	0.0
30	3	1983	1015	8	0.0	0.0	0.0	0.0	0.3860	0.0080	0.0	38.0000	5.4000	0.0
6	4	1983	1215	9	0.0	0.0	0.0	0.0	0.1700	0.0040	0.0	34.0000	8.3000	0.0
15	4	1983	1115	9	0.0	0.0	0.0	0.0	0.1250	0.0020	0.0	35.0000	3.6000	0.0
27	4	1983	1100	8	0.0	0.0	0.0	0.0	0.0840	0.0070	0.0	30.0000	3.2000	0.0
4	5	1983	1115	9	0.0	0.0	0.0	0.0	0.2560	0.0410	0.0	22.0000	12.0000	0.0
11	5	1983	900	9	0.0	0.0	0.0	0.0	0.3520	0.1920	0.0	16.0000	22.0000	0.0
18	5	1983	930	9	0.0	0.0	0.0	0.0	0.3100	0.1440	0.0	14.0000	20.0000	0.0
25	5	1983	930	9	0.0	0.0	0.0	0.0	0.2250	0.0740	0.0	16.0000	13.0000	0.0
30	5	1983	1000	3	0.0	0.0	0.0	0.0	0.1930	0.1740	0.0	17.0000	8.4000	0.0
1	6	1983	845	9	0.0	0.0	0.0	0.0	0.1850	0.4570	0.0	19.0000	11.0000	0.0
1	6	1983	910	3	0.0	0.0	0.0	0.0	0.3200	0.4870	0.0	18.0000	12.0000	0.0
3	6	1983	845	3	0.0	0.0	0.0	0.0	0.1940	0.2880	0.0	15.0000	7.6000	0.0
6	6	1983	1020	3	0.0	0.0	0.0	0.0	0.2360	0.2250	0.0	15.0000	5.8000	0.0
8	6	1983	1145	9	0.0	0.0	0.0	0.0	0.2310	0.1720	0.0	16.0000	6.2000	0.0
8	6	1983	1148	3	0.0	0.0	0.0	0.0	0.2530	0.1520	0.0	17.0000	6.2000	0.0
10	6	1983	1400	3	0.0	0.0	0.0	0.0	0.2840	0.1400	0.0	16.0000	4.9000	0.0
13	6	1983	945	3	0.0	0.0	0.0	0.0	0.2140	0.1310	0.0	17.0000	5.1000	0.0
15	6	1983	1045	9	0.0	0.0	0.0	0.0	0.1830	0.1160	0.0	16.0000	4.7000	0.0
15	6	1983	1048	3	0.0	0.0	0.0	0.0	0.1770	0.1030	0.0	17.0000	4.4000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08BC0008 Pelly River at Faro PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
17	6	1983	800	3	0.0	0.0	0.0	0.0	0.1320	0.0740	0.0	16.0000	3.6000	0.0
22	6	1983	830	9	0.0	0.0	0.0	0.0	2.8100	0.0830	0.0	14.0000	3.6000	0.0
28	6	1983	830	9	0.0	0.0	0.0	0.0	0.2180	0.1130	0.0	16.0000	3.5000	0.0
6	7	1983	1530	9	0.0	0.0	0.0	0.0	0.1420	0.0560	0.0	19.0000	1.8000	0.0
13	7	1983	915	9	0.0	0.0	0.0	0.0	0.1590	0.0640	0.0	19.0000	3.1000	0.0
20	7	1983	1400	9	0.0	0.0	0.0	0.0	0.1980	0.0510	0.0	21.0000	2.9000	0.0
27	7	1983	840	9	0.0	0.0	0.0	0.0	0.1920	0.0510	0.0	21.0000	3.3000	0.0
3	8	1983	1115	9	0.0	0.0	0.0	0.0	0.1310	0.0670	0.0	23.0000	2.1000	0.0
10	8	1983	1030	9	0.0	0.0	0.0	0.0	0.1600	0.0250	0.0	22.0000	2.9000	0.0
17	8	1983	1600	9	0.0	0.0	0.0	0.0	0.1170	0.0580	0.0	19.0000	4.2000	0.0
24	8	1983	1130	9	0.0	0.0	0.0	0.0	1.3600	0.0660	0.0	22.0000	1.1000	0.0
31	8	1983	1745	9	0.0	0.0	0.0	0.0	0.1400	0.0290	0.0	23.0000	1.2000	0.0
7	9	1983	1630	9	0.0	0.0	0.0	0.0	0.1350	0.0520	0.0	24.0000	1.4000	0.0
14	9	1983	1645	9	0.0	0.0	0.0	0.0	0.1430	0.0290	0.0	23.0000	6.0000	0.0
22	9	1983	1230	9	0.0	0.0	0.0	0.0	1.5600	0.0230	0.0	20.0000	5.3000	0.0
28	9	1983	1130	9	0.0	0.0	0.0	0.0	1.0300	0.0380	0.0	23.0000	5.4000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTO9BC0008

REPORT
PELLY RIVER AT FARO

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
7	7	1982	1159	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	1982	1210	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	7	1982	1219	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	9	1982	1330	9	0.0	0.0	0.0	0.0005	0.0070	0.0900	0.0050	0.0100	0.0500	0.0040
15	9	1982	1930	9	0.0	0.0	0.0	0.0	0.0020	0.1500	0.0010	0.0100	0.0500	0.0040
22	9	1982	1345	9	0.0	0.0	0.0	0.0	0.0020	0.1100	0.0010	0.0100	0.0500	0.0040
29	9	1982	1130	9	0.0	0.0	0.0	0.0005	0.0050	0.0900	0.0010	0.0100	0.1000	0.0600
6	10	1982	1330	9	0.0	0.0	0.0	0.0	0.0060	0.3800	0.0020	0.0300	0.1000	0.0500
13	10	1982	1900	9	0.0	0.0	0.0	0.0	0.0030	0.1800	0.0040	0.0100	0.0500	0.0030
20	10	1982	1450	9	0.0	0.0	0.0	0.0	0.0010	0.2600	0.0030	0.0100	0.0500	0.0030
27	10	1982	1600	9	0.0	0.0	0.0	0.0	0.0010	0.1900	0.0040	0.0200	0.0500	0.0130
3	11	1982	1730	9	0.0	0.0	0.0	0.0	0.0010	0.1100	0.0020	0.0100	0.0500	0.0030
10	11	1982	730	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	11	1982	730	9	0.0	0.0	0.0	0.0	0.0010	0.1100	0.0030	0.0100	0.0500	0.0040
24	11	1982	1130	9	0.0	0.0	0.0	0.0	0.0020	0.1400	0.0060	0.0100	0.0500	0.0110
1	12	1982	730	9	0.0	0.0	0.0	0.0	0.0020	0.0800	0.0030	0.0100	0.0500	0.0150
8	12	1982	1200	9	0.0	0.0	0.0	0.0	0.0030	0.0800	0.0020	0.0100	0.0500	0.0090
15	12	1982	1200	9	0.0	0.0	0.0	0.0	0.0010	0.0600	0.0020	0.0100	0.0500	0.0200
23	12	1982	1200	9	0.0	0.0	0.0	0.0	0.0020	0.0500	0.0030	0.0100	0.0500	0.0150
5	1	1983	1200	9	0.0	0.0	0.0	0.0	0.0010	0.0240	0.0020	0.0100	0.1900	0.0070
12	1	1983	1200	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0500	0.0
19	1	1983	1200	9	0.0	0.0	0.0	0.0	0.0010	0.0	0.0010	0.0100	0.0500	0.0060
26	1	1983	1200	9	0.0	0.0	0.0	0.0	0.0040	0.0	0.0010	0.0100	0.0500	0.0050
2	2	1983	1200	9	0.0	0.0	0.0	0.0	0.0010	0.0160	0.0010	0.0100	0.0500	0.0040
9	2	1983	1700	9	0.0	0.0	0.0	0.0	0.0020	0.0150	0.0020	0.0100	0.0	0.0060
16	2	1983	1730	9	0.0	0.0	0.0	0.0	0.0010	0.0170	0.0010	0.0100	0.0500	0.0060
23	2	1983	1700	9	0.0	0.0	0.0	0.0	0.0020	0.0250	0.0010	0.0100	0.0500	0.0070
2	3	1983	1200	9	0.0	0.0	0.0	0.0	0.0020	0.0270	0.0010	0.0100	0.0500	0.0090
10	3	1983	900	9	0.0	0.0	0.0	0.0	0.0010	0.0150	0.0010	0.0100	0.0500	0.0060
16	3	1983	1105	9	0.0	0.0	0.0	0.0	0.0010	0.0130	0.0030	0.0100	0.0500	0.0100
23	3	1983	1425	9	0.0	0.0	0.0	0.0	0.0010	0.0090	0.0010	0.0100	0.0	0.0060
30	3	1983	1015	9	0.0	0.0	0.0	0.0	0.0020	0.0060	0.0010	0.0200	0.0500	0.0050
6	4	1983	1215	9	0.0	0.0	0.0	0.0	0.0010	0.0130	0.0010	0.0100	0.0500	0.0160
15	4	1983	1115	9	0.0	0.0	0.0	0.0	0.0010	0.0090	0.0010	0.0100	0.0500	0.0070
27	4	1983	1100	9	0.0	0.0	0.0	0.0	0.0020	0.0060	0.0010	0.0200	0.0500	0.0050
4	5	1983	1115	9	0.0	0.0	0.0	0.0	0.0010	0.0350	0.0040	0.0100	0.0500	0.0160
11	5	1983	900	9	0.0	0.0	0.0	0.0	0.0050	1.1000	0.0170	0.0500	0.0500	0.0210
18	5	1983	930	9	0.0	0.0	0.0	0.0	0.0130	5.3000	0.0090	0.2200	0.0500	0.0500
25	5	1983	930	9	0.0	0.0	0.0	0.0	0.0080	3.2000	0.0030	0.1100	0.0500	0.0400
30	5	1983	1000	3	0.0	0.0	0.0	0.0	0.0110	0.9000	0.0130	0.0400	0.0500	0.0500
1	6	1983	845	9	0.0	0.0	0.0	0.0	0.0230	3.9000	0.0090	0.1300	0.0500	0.0700
1	6	1983	810	3	0.0	0.0	0.0	0.0	0.0250	10.0000	0.0220	0.3200	0.0500	0.1400
3	6	1983	845	3	0.0	0.0	0.0	0.0	0.0180	11.0000	0.0120	0.3600	0.0500	0.1300
6	6	1983	1020	3	0.0	0.0	0.0	0.0	0.0140	7.9000	0.0160	0.2100	0.0500	0.0800
8	6	1983	1145	9	0.0	0.0	0.0	0.0	0.0110	5.0000	0.0130	0.1400	0.0500	0.0700
8	6	1983	1148	3	0.0	0.0	0.0	0.0	0.0110	3.1000	0.0070	0.0900	0.0500	0.0300
10	6	1983	1400	3	0.0	0.0	0.0	0.0	0.0060	3.4000	0.0100	0.0900	0.0500	0.0500
13	6	1983	845	3	0.0	0.0	0.0	0.0	0.0080	1.2000	0.0070	0.0400	0.0500	0.0340
15	6	1983	1045	9	0.0	0.0	0.0	0.0	0.0070	2.4000	0.0060	0.0700	0.0500	0.0340
15	6	1983	1048	3	0.0	0.0	0.0	0.0	0.0070	2.5000	0.0060	0.0700	0.0500	0.0260
15	6	1983	1048	3	0.0	0.0	0.0	0.0	0.0070	2.3000	0.0030	0.0700	0.0500	0.0300

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09BC0008 Pelly River at Faro

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
17	6	1983	900	3		0.0	0.0	0.0	0.0	0.0050	1.8000	0.0050	0.0600	0.0500	0.0210
22	6	1983	830	9		0.0	0.0	0.0	0.0	0.0050	1.8000	0.0030	0.0600	0.0500	0.0300
28	6	1983	830	9		0.0	0.0	0.0	0.0	0.0030	2.0000	0.0040	0.0500	0.0500	0.0200
6	7	1983	1530	9		0.0	0.0	0.0	0.0	0.0020	1.1000	0.0020	0.0400	0.0500	0.0140
13	7	1983	915	9		0.0	0.0	0.0	0.0	0.0010	0.6500	0.0010	0.0300	0.0500	0.0070
20	7	1983	1400	9		0.0	0.0	0.0	0.0	0.0020	0.6500	0.0030	0.0300	0.0500	0.0030
27	7	1983	940	9		0.0	0.0	0.0	0.0	0.0020	0.4800	0.0010	0.0200	0.0500	0.0020
3	8	1983	1115	9		0.0	0.0	0.0	0.0	0.0040	0.3100	0.0020	0.0100	0.0500	0.0060
10	8	1983	1030	9		0.0	0.0	0.0	0.0	0.0030	0.2300	0.0050	0.0100	0.0500	0.0030
17	8	1983	1600	9		0.0	0.0	0.0	0.0	0.0040	1.1000	0.0010	0.0300	0.0500	0.0080
24	8	1983	1130	9		0.0	0.0	0.0	0.0	0.0120	1.1000	0.0060	0.0300	0.0500	0.0110
31	8	1983	1745	9		0.0	0.0	0.0	0.0	0.0030	0.4700	0.0010	0.0200	0.0500	0.0100
7	9	1983	1630	9		0.0	0.0	0.0	0.0	0.0020	0.6100	0.0010	0.0200	0.0500	0.0090
14	9	1983	1645	9		0.0	0.0	0.0	0.0	0.0020	0.3400	0.0010	0.0200	0.0500	0.0070
22	9	1983	1230	9		0.0	0.0	0.0	0.0	0.0020	0.2600	0.0020	0.0200	0.0500	0.0060
28	9	1983	1130	9		0.0	0.0	0.0	0.0	0.0020	0.2800	0.0010	0.0200	0.0500	0.0060

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SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected mid stream by DIAND lay samplers from d/s side of Mt. Nansen-Free-Gold access road bridge, 1.5 km from Carmacks. The sample site is located 2488 km from the mouth of the Yukon R.	LAT 62°03'00"N LONG 136°16'45"W	535 m (1750 ft)	6,370 km ² (2,460 mi ²)	every 2 weeks	FIGURE 1 FIGURE 9 PLATE 17 PLATE 18 MAP 115 I/1

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1982 (WSC 09AH004, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN							11.0	25.0	16.4	11.6*	8.0*	4.84*
MAXIMUM							16.1	42.8	20.3	13.3*	10.2*	5.80*
MINIMUM							8.13	16.3	13.3	9.90*	6.00*	4.22*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									16.4	11.6*	8.00*	4.84*
1983												

* - ICE CONDITIONS



PLATE 17 WATER QUALITY STATION OOYT09AH0012
LOOKING UPSTREAM NORDENSKIOLD RIVER AT SAMPLE
STATION



PLATE 18 WATER QUALITY STATION OOYT09AH0012
LOOKING UPSTREAM NORDENSKIOLD RIVER FROM
THE FREEGOLD ROAD BRIDGE

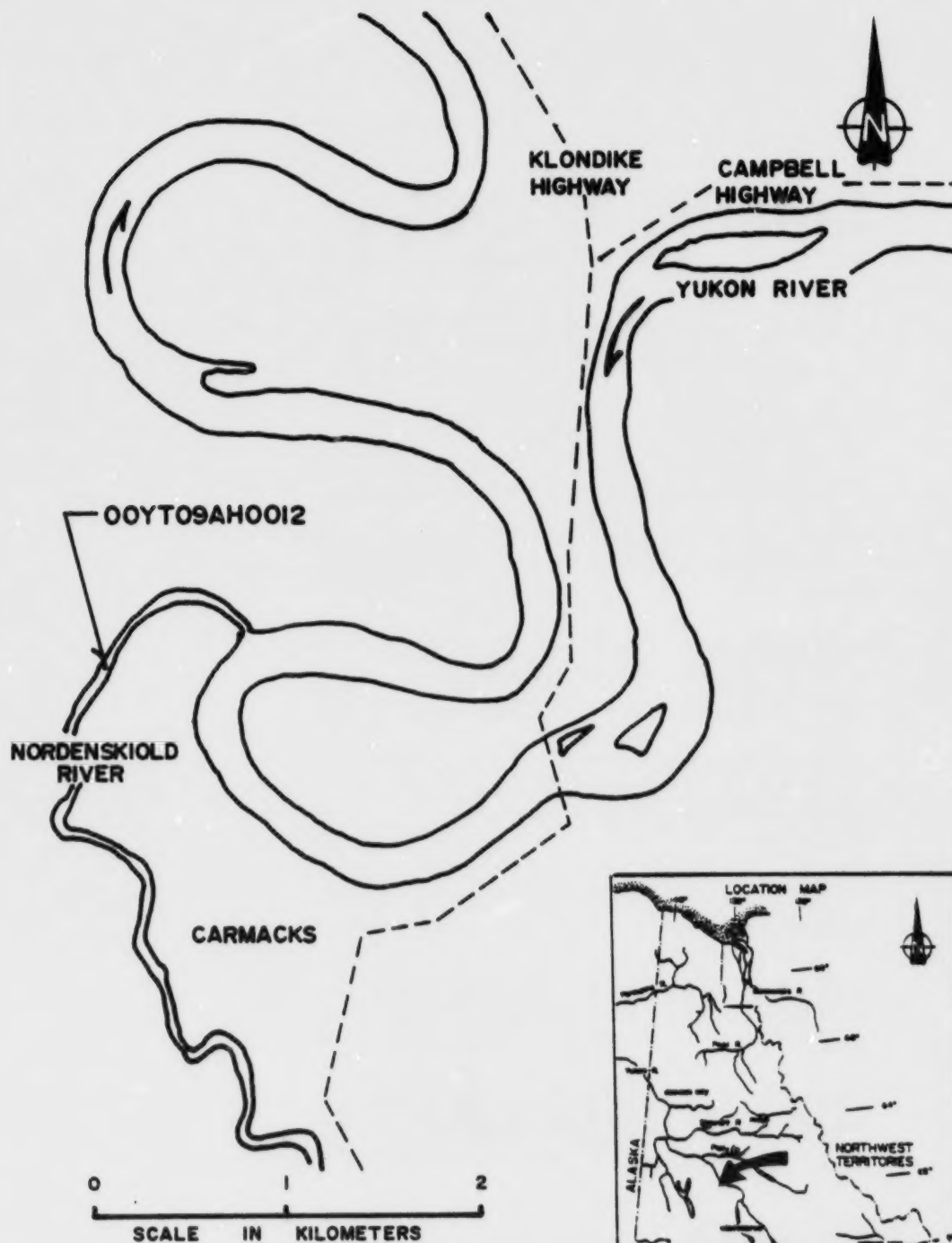


FIGURE 9 NORDENSKIÖLD RIVER AT MOUTH
WATER QUALITY STATION OOYT09AH0012

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTOGAH0012

DD	MM	YEAR	HR:	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
6	7	1982	1540	5	0.0	16.0000	8.1000	185.0000	0.0	8.0000	217.0000	1.9000	10.0000	0.0	
3	9	1982	425	9	5.0000	8.0000	9.2000	176.0000	21.5000	8.1500	202.0000	2.7500	35.0000	0.0	
16	9	1982	1030	9	12.0000	10.0000	8.3000	240.0000	21.6000	8.0000	215.7000	1.2000	17.0000	0.0	
30	9	1982	1400	9	9.0000	6.5000	8.5000	240.0000	22.1000	8.0800	241.2000	0.6000	12.0000	0.0	
14	10	1982	1150	9	-1.0000	3.0000	9.2000	315.0000	22.9000	7.6000	256.3000	0.7000	10.0000	0.0	
28	10	1982	1540	9	-18.0000	-0.5000	8.9000	320.0000	13.7000	8.0800	333.7000	0.5100	10.0000	0.0	
10	11	1982	1650	9	-18.0000	0.0	7.5000	300.0000	21.0000	8.0000	304.0000	0.3400	10.0000	0.0	
25	11	1982	1400	9	-18.0000	0.0	6.9000	360.0000	22.0000	8.0500	317.0000	0.4100	7.0000	0.0	
10	12	1982	1130	9	-15.5000	2.0000	7.6000	365.0000	21.9000	7.9000	316.0000	0.2200	5.0000	0.0	
23	12	1982	1000	9	-20.0000	-1.0000	8.0000	350.0000	18.5000	8.2500	315.0000	0.7000	10.0000	0.0	
5	1	1983	1630	9	-28.0000	0.0	8.1000	360.0000	20.0000	8.2000	330.0000	0.3200	10.0000	0.0	
21	1	1983	1500	9	-30.0000	0.0	8.0000	450.0000	21.3000	8.2000	338.0000	0.4000	10.0000	0.0	
3	2	1983	1340	9	-19.0000	2.0000	7.7000	410.0000	21.8000	8.2000	343.0000	0.4500	10.0000	0.0	
18	2	1983	1000	9	-24.0000	2.0000	7.6000	400.0000	22.5000	8.2000	341.0000	0.3700	5.0000	0.0	
3	3	1983	930	9	-15.0000	1.0000	8.1000	420.0000	23.0000	8.3000	341.0000	0.3300	5.0000	0.0	
17	3	1983	1045	9	-3.0000	5.0000	8.0000	420.0000	20.6000	8.1000	341.0000	0.3800	5.0000	0.0	
31	3	1983	910	9	-5.0000	0.0	8.2000	380.0000	21.9000	7.9000	339.0000	0.3500	5.0000	0.0	
14	4	1983	1400	9	11.0000	5.0000	8.8000	0.0	23.1000	8.0000	324.0000	0.5500	5.0000	0.0	
28	4	1983	845	9	11.0000	0.0	8.6000	247.0000	23.7000	8.0000	330.0000	3.0000	30.0000	0.0	
12	5	1983	1000	9	8.6000	6.0000	8.6000	140.0000	22.0000	7.6500	118.0000	3.3000	150.0000	0.0	
27	5	1983	1720	9	14.0000	10.0000	8.6000	160.0000	21.4000	7.8000	166.0000	1.2000	60.0000	0.0	
9	6	1983	1715	9	17.0000	12.0000	0.0	180.0000	21.3000	7.3000	164.0000	4.0000	60.0000	0.0	
23	6	1983	1130	9	17.5000	15.0000	8.7000	220.0000	21.3000	7.3000	216.0000	1.3000	30.0000	0.0	
7	7	1983	1830	9	27.0000	18.5000	8.9000	260.0000	22.2000	7.9000	235.0000	1.4000	15.0000	0.0	
23	7	1983	1025	9	15.0000	12.0000	8.7000	140.0000	18.4000	7.9500	174.0000	15.0000	60.0000	0.0	
4	8	1983	1700	9	22.5000	16.0000	8.9000	220.0000	23.0000	8.1000	209.0000	0.3800	30.0000	0.0	
18	8	1983	1000	9	12.0000	10.0000	8.6000	160.0000	23.8000	7.6500	158.0000	23.0000	80.0000	0.0	
1	9	1983	1600	9	19.0000	12.0000	9.6000	210.0000	23.1000	7.8000	206.0000	1.6000	40.0000	0.0	
16	9	1983	1635	9	11.0000	9.0000	9.5000	205.0000	23.3000	7.9500	215.0000	0.4200	30.0000	0.0	

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0YT09AH0012

REPORT
NORDENSKIOLD RIVER AT CARMACKS

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	SD4
6	7	1982	1540	5	107.3000	113.0000	32.5000	0.0	1.5000	4.9000	0.8000	0.1030	9.2000	10.5000
3	8	1982	425	9	98.0000	103.9000	29.4000	7.4000	1.2000	4.8000	0.6000	0.1000	10.7000	9.2000
16	9	1982	1030	9	106.8000	111.2000	32.1000	7.5000	1.3000	5.1000	0.6000	0.1400	10.8000	9.8000
30	9	1982	1400	9	114.8000	122.1000	34.5000	8.7000	1.2000	5.5000	0.8000	0.1280	10.8000	11.0000
14	10	1982	1150	9	124.6000	130.5000	38.1000	8.6000	1.4000	5.8000	0.7000	0.1150	10.4000	13.1000
29	10	1982	1540	9	146.8000	157.6000	45.0000	11.0000	1.6000	6.8000	0.8000	0.1400	11.6000	14.0000
10	11	1982	1650	9	149.2000	158.4000	45.2000	11.0000	1.6000	6.7000	1.0000	0.1760	11.6000	15.5000
25	11	1982	1400	9	154.0000	166.0000	47.9000	11.3000	1.6000	6.9000	1.0000	0.1600	12.1000	14.3000
10	12	1982	1130	9	155.0000	164.0000	46.9000	11.4000	1.8000	6.9000	1.0000	0.1990	11.9000	20.0000
23	12	1982	1000	9	153.0000	163.0000	46.6000	11.3000	1.8000	6.9000	1.0000	0.1900	12.0000	18.5000
5	1	1983	1630	9	156.0000	166.0000	47.6000	11.4000	1.7000	6.8000	1.0000	0.1900	11.8000	20.5000
21	1	1983	1500	9	162.0000	171.0000	48.7000	12.0000	1.9000	7.1000	1.1000	0.1920	12.2000	18.0000
3	2	1983	1340	9	162.0000	173.0000	49.3000	12.1000	1.8000	7.0000	1.1000	0.1860	12.1000	16.5000
18	2	1983	1000	9	166.0000	178.0000	50.4000	12.7000	1.9000	7.8000	1.0000	0.1850	12.2000	21.5000
3	3	1983	930	9	167.0000	176.0000	49.7000	12.6000	1.8000	7.2000	1.1000	0.1940	12.2000	21.5000
17	3	1983	1045	9	166.0000	176.0000	50.7000	12.0000	1.9000	7.3000	1.0000	0.2100	12.3000	19.0000
31	3	1983	910	9	165.0000	174.0000	49.1000	12.5000	1.9000	7.2000	1.0000	0.2050	12.1000	19.5000
14	4	1983	1400	9	156.0000	166.0000	46.7000	12.0000	1.8000	7.1000	1.1000	0.1850	11.5000	20.5000
28	4	1983	945	9	111.0000	115.0000	31.6000	8.8000	1.8000	5.6000	1.1000	0.1280	10.1000	11.2000
12	5	1983	1000	9	52.7000	60.3000	18.5000	3.4000	1.2000	2.6000	1.3000	0.0820	7.0000	4.5000
27	5	1983	1720	9	75.4000	82.5000	23.5000	5.8000	1.1000	3.7000	0.9000	0.2110	9.0000	7.7000
9	6	1983	1715	9	77.2000	82.6000	23.3000	5.9000	1.3000	3.9000	0.8000	0.1290	9.6000	6.5000
23	6	1983	1130	9	104.0000	107.0000	31.4000	6.9000	1.5000	5.1000	0.8000	0.1590	10.1000	10.2000
7	7	1983	1830	9	114.6000	118.3000	34.1000	8.1000	1.6000	5.5000	0.8000	0.1730	10.6000	10.8000
23	7	1983	1025	9	80.4000	86.5000	34.2000	0.3000	1.1000	4.3000	0.8000	0.1300	11.7000	6.0000
4	8	1983	1700	9	102.0000	106.0000	31.7000	6.5000	1.5000	5.2000	0.8000	0.1890	11.9000	8.3000
18	8	1983	1000	9	74.7000	81.1000	22.9000	5.8000	1.0000	4.1000	0.9000	0.1800	13.5000	4.0000
1	9	1983	1600	9	97.8000	101.0000	30.2000	6.2000	1.3000	5.1000	0.8000	0.2250	12.3000	7.5000
16	9	1983	1635	9	103.0000	107.0000	30.4000	7.6000	1.2000	5.2000	1.0000	0.1580	12.1000	7.7000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT05AH0012

REPORT NORDENSKIÖLD RIVER AT CARMACKS
PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
6	7	1982	1540	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9	1982	425	9	0.0200	10.0000	127.0000	8.0000	94.0000	0.0006	0.0001	0.0	0.0	0.0
16	9	1982	1030	9	0.0140	2.0000	138.0000	1.0000	105.0000	0.0004	0.0001	0.0	0.0	0.0
30	9	1982	1400	9	0.0470	7.0000	152.0000	6.0000	116.0000	0.0005	0.0001	0.0005	0.0030	0.0020
14	10	1982	1150	9	0.0350	3.0000	153.0000	0.0	129.0000	0.0004	0.0001	0.0	0.0	0.0
29	10	1982	1540	9	0.1150	0.0	0.0	0.0	0.0	0.0003	0.0002	0.0	0.0	0.0
10	11	1982	1650	9	0.0710	0.0	150.0000	0.0	144.0000	0.0004	0.0001	0.0	0.0	0.0
25	11	1982	1400	9	0.0920	4.0000	182.0000	2.0000	134.0000	0.0004	0.0002	0.0	0.0	0.0
10	12	1982	1130	9	0.1420	0.0	0.0	0.0	0.0	0.0002	0.0003	0.0	0.0	0.0
23	12	1982	1000	9	0.1200	0.0	0.0	0.0	0.0	0.0004	0.0001	0.0	0.0	0.0
5	1	1983	1630	9	0.1150	2.0000	222.0000	0.0	192.0000	0.0004	0.0003	0.0	0.0	0.0
21	1	1983	1500	9	0.2110	2.0000	238.0000	0.0	82.0000	0.0004	0.0002	0.0	0.0	0.0
3	2	1983	1340	9	0.1230	4.0000	232.0000	2.0000	80.0000	0.0004	0.0001	0.0	0.0	0.0
18	2	1983	1000	9	0.1370	10.0000	165.0000	6.0000	142.0000	0.0004	0.0008	0.0	0.0	0.0
3	3	1983	930	9	0.6600	1.0000	237.0000	0.0	199.0000	0.0003	0.0002	0.0	0.0	0.0
17	3	1983	1045	9	0.1350	13.0000	211.0000	11.0000	115.0000	0.0003	0.0002	0.0	0.0	0.0
31	3	1983	910	9	0.1220	13.0000	175.0000	6.0000	172.0000	0.0004	0.0002	0.0	0.0	0.0
14	4	1983	1400	9	0.0830	2.0000	200.0000	0.0	134.0000	0.0004	0.0001	0.0	0.0	0.0
28	4	1983	945	9	0.0230	41.0000	169.0000	34.0000	145.0000	0.0005	0.0001	0.0	0.0	0.0
12	5	1983	1000	9	0.0140	0.0	0.0	0.0	0.0	0.0006	0.0001	0.0	0.0	0.0
27	5	1983	1720	9	0.0180	9.0000	204.0000	4.0000	118.0000	0.0004	0.0003	0.0	0.0	0.0
9	6	1983	1715	9	0.0410	55.0000	109.0000	45.0000	31.0000	0.0006	0.0001	0.0	0.0	0.0
23	6	1983	1130	9	0.0310	2.0000	149.0000	1.0000	37.0000	0.0007	0.0001	0.0	0.0	0.0
7	7	1983	1830	9	0.0260	9.0000	241.0000	4.0000	174.0000	0.0006	0.0001	0.0	0.0	0.0
23	7	1983	1025	9	0.0160	57.0000	129.0000	52.0000	86.0000	0.0005	0.0001	0.0	0.0	0.0
4	8	1983	1700	9	0.0070	7.0000	191.0000	1.0000	142.0000	0.0001	0.0001	0.0	0.0	0.0
18	8	1983	1000	9	0.0230	138.0000	133.0000	135.0000	76.0000	0.0008	0.0001	0.0	0.0	0.0
1	9	1983	1600	9	0.0400	16.0000	198.0000	3.0000	127.0000	0.0004	0.0009	0.0	0.0	0.0
16	9	1983	1635	9	0.0410	17.0000	193.0000	7.0000	115.0000	0.0004	0.0001	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YTOBAH0012

PACIFIC AND YUKON REGION
NORDENSKIÖLD RIVER AT CARMACKS

DD	MM	YEAR	HR:MM	L	FE-X	PE-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
6	7	1982	1540	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9	1982	425	9	0.0	0.0	0.0	0.0	0.2560	0.0130	0.0	25.0000	8.3000	0.0
16	9	1982	1030	9	0.0	0.0	0.0200	0.0600	0.2270	0.0060	0.0	26.0000	10.0000	0.0
30	9	1982	1400	9	0.0	0.0	0.0	0.0	0.1770	0.0050	0.0	27.0000	9.2000	0.0
14	10	1982	1150	9	0.0	0.0	0.0	0.0	0.2480	0.0030	0.0	29.0000	9.3000	0.0
29	10	1982	1540	9	0.0	0.0	0.0	0.0	0.2880	0.0040	0.0	40.0000	4.2000	0.0
10	11	1982	1650	9	0.0	0.0	0.0	0.0	0.2150	0.0040	0.0	39.0000	5.3000	0.0
25	11	1982	1400	9	0.0	0.0	0.0	0.0	0.2460	0.0050	0.0	36.0000	5.4000	0.0
10	12	1982	1130	9	0.0	0.0	0.0	0.0	0.3220	0.0050	0.0	35.0000	11.0000	0.0
23	12	1982	1000	9	0.0	0.0	0.0	0.0	0.2930	0.0230	0.0	38.0000	7.3000	0.0
5	1	1983	1630	9	0.0	0.0	0.0	0.0	0.2730	0.0140	0.0	39.0000	5.8000	0.0
21	1	1983	1600	9	0.0	0.0	0.0	0.0	0.3230	0.0050	0.0	48.0000	4.3000	0.0
3	2	1983	1340	9	0.0	0.0	0.0	0.0	0.2330	0.0060	0.0	52.0000	12.0000	0.0
18	2	1983	1000	9	0.0	0.0	0.0	0.0	0.2310	0.0050	0.0	37.0000	8.1000	0.0
3	3	1983	930	9	0.0	0.0	0.0	0.0	0.9470	0.0090	0.0	42.0000	2.3000	0.0
17	3	1983	1045	9	0.0	0.0	0.0	0.0	0.2300	0.0060	0.0	46.0000	5.2000	0.0
31	3	1983	910	9	0.0	0.0	0.0	0.0	0.2060	0.0050	0.0	44.0000	5.8000	0.0
14	4	1983	1400	9	0.0	0.0	0.0	0.0	0.1880	0.0090	0.0	40.0000	2.2000	0.0
28	4	1983	945	9	0.0	0.0	0.0	0.0	0.1980	0.0390	0.0	17.0000	19.0000	0.0
12	5	1983	1000	9	0.0	0.0	0.0	0.0	0.4610	0.0660	0.0	12.0000	31.0000	0.0
27	5	1983	1720	8	0.0	0.0	0.0	0.0	0.2390	0.0400	0.0	20.0000	15.0000	0.0
8	6	1983	1715	9	0.0	0.0	0.0	0.0	0.3590	0.0810	0.0	20.0000	14.0000	0.0
23	6	1983	1130	9	0.0	0.0	0.0	0.0	0.2390	0.0130	0.0	25.0000	8.9000	0.0
7	7	1983	1830	9	0.0	0.0	0.0	0.0	0.2160	0.0210	0.0	28.0000	5.6000	0.0
23	7	1983	1025	9	0.0	0.0	0.0	0.0	0.3290	0.0670	0.0	21.0000	13.0000	0.0
4	8	1983	1700	9	0.0	0.0	0.0	0.0	0.2850	0.0160	0.0	25.0000	8.1000	0.0
18	8	1983	1000	9	0.0	0.0	0.0	0.0	0.3860	0.0980	0.0	20.0000	16.0000	0.0
1	9	1983	1600	9	0.0	0.0	0.0	0.0	0.3170	0.0200	0.0	27.0000	5.5000	0.0
16	9	1983	1635	9	0.0	0.0	0.0	0.0	0.2830	0.0170	0.0	25.0000	11.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER OQYTO9AH0012

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
5	7	1982	1540	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	9	1982	425	9		0.0	0.0	0.0	0.0005	0.0050	0.2700	0.0020	0.0100	0.0500	0.0010
16	9	1982	1030	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	9	1982	1400	8		0.0	0.0	0.0	0.0005	0.0030	0.1100	0.0010	0.0200	0.1300	0.0010
14	10	1982	1150	9		0.0	0.0	0.0	0.0005	0.0010	0.1600	0.0010	0.0200	0.0500	0.0010
29	10	1982	1540	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	11	1982	1650	9		0.0	0.0	0.0	0.0005	0.0010	0.1100	0.0020	0.0100	0.0500	0.0060
25	11	1982	1400	9		0.0	0.0	0.0	0.0	0.0010	0.1400	0.0020	0.0100	0.0500	0.0170
10	12	1982	1130	9		0.0	0.0	0.0	0.0	0.0010	0.1100	0.0010	0.0100	0.0500	0.0200
23	12	1982	1000	9		0.0	0.0	0.0	0.0	0.0030	0.1000	0.0080	0.0100	0.0500	0.0080
5	1	1983	1630	9		0.0	0.0	0.0	0.0	0.0030	0.2500	0.0030	0.0300	0.0500	0.0070
21	1	1983	1500	9		0.0	0.0	0.0	0.0005	0.0010	0.1500	0.0040	0.0100	0.0500	0.0040
3	2	1983	1340	9		0.0	0.0	0.0	0.0	0.0010	0.1500	0.0010	0.0200	0.0500	0.0010
18	2	1983	1000	9		0.0	0.0	0.0	0.0	0.0020	0.1200	0.0030	0.0200	0.0500	0.0010
3	3	1983	930	9		0.0	0.0	0.0	0.0	0.0010	0.1300	0.0010	0.0200	0.0500	0.0010
17	3	1983	1045	9		0.0	0.0	0.0	0.0	0.0010	0.1200	0.0030	0.0100	0.0500	0.0030
31	3	1983	810	9		0.0	0.0	0.0	0.0	0.0010	0.0600	0.0010	0.0200	0.0500	0.0010
14	4	1983	1400	9		0.0	0.0	0.0	0.0	0.0040	0.1900	0.0010	0.0200	0.0500	0.0010
28	4	1983	945	9		0.0	0.0	0.0	0.0	0.0020	0.4300	0.0030	0.0500	0.0500	0.0010
12	5	1983	1000	9		0.0	0.0	0.0	0.0	0.0050	1.4000	0.0010	0.0700	0.0500	0.0010
27	5	1983	1720	9		0.0	0.0	0.0	0.0	0.0010	0.6000	0.0010	0.0400	0.0500	0.0010
9	6	1983	1715	9		0.0	0.0	0.0	0.0	0.0040	1.3000	0.0040	0.0700	0.0500	0.0010
23	6	1983	1130	9		0.0	0.0	0.0	0.0	0.0020	0.2900	0.0010	0.0300	0.0500	0.0030
7	7	1983	1830	9		0.0	0.0	0.0	0.0	0.0030	0.3200	0.0010	0.0300	0.0500	0.0010
23	7	1983	1025	9		0.0	0.0	0.0	0.0	0.0050	1.6000	0.0030	0.0400	0.0500	0.0010
4	8	1983	1700	9		0.0	0.0	0.0	0.0	0.0030	0.2200	0.0030	0.0200	0.0500	0.0100
18	8	1983	1000	9		0.0	0.0	0.0	0.0	0.0120	3.3000	0.0050	0.0700	0.0500	0.0190
1	9	1983	1600	9		0.0	0.0	0.0	0.0	0.0040	0.6100	0.0010	0.0200	0.0500	0.0070
16	9	1983	1635	9		0.0	0.0	0.0	0.0	0.0030	0.2700	0.0020	0.0200	0.0500	0.0010

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SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected from the downstream side of the Klondike Highway bridge (km 196) by DIAND employees. Site is located 2765 km from the mouth of the Yukon R and 14 km from Whitehorse.	LAT 60°51'08"N LONG 135°44'21"W	6400 m (2100 ft)	6990 km ² (2700 mi ²)	Every 2 weeks	FIGURE 1 FIGURE 10 PLATE 19 PLATE 20 MAP 105 D/14

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (WSC 09AC001, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	13.4*	11.1*	10.1*	10.8*	22.2*	104	182	164	112	66.2	33.9*	20.0*
MAXIMUM	17.8*	13.7*	12.4*	15.9*	83.5*	180	202	206	153	10.9	65.1*	33.3*
MINIMUM	11.0*	10.5*	10.5*	10.5*	10.8*	29.5	155	108	78.2	51.9	28.0*	16.3*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									113	70.1	37.8*	22.6*
1983	*	*	*	*								

* - ICE CONDITIONS

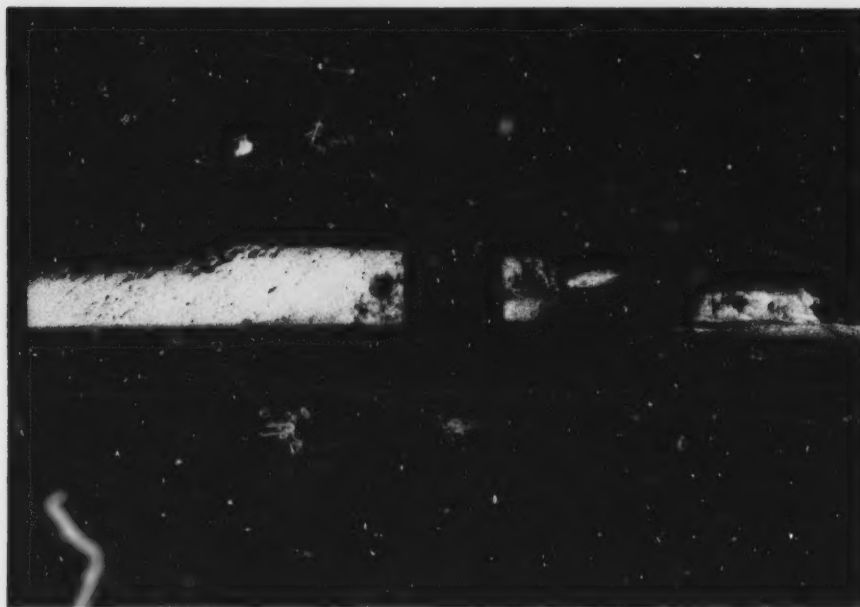


PLATE 19 WATER QUALITY STATION 00YT09AC0001
LOOKING UPSTREAM TAKHINI RIVER THROUGH KLONDIKE
HIGHWAY BRIDGE

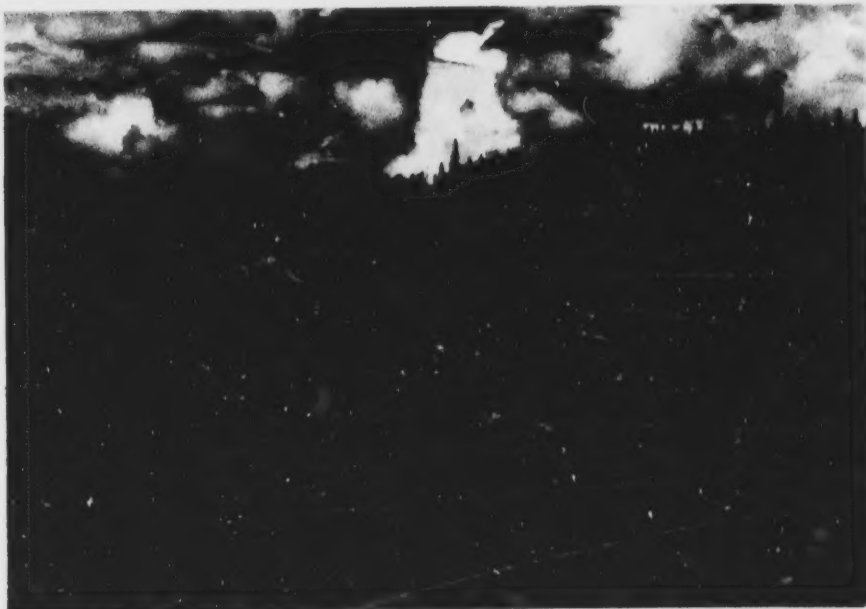


PLATE 20 WATER QUALITY STATION 00YT09AC0001
LOOKING UPSTREAM TAKHINI RIVER FROM ITS CONFLUENCE
WITH THE YUKON RIVER

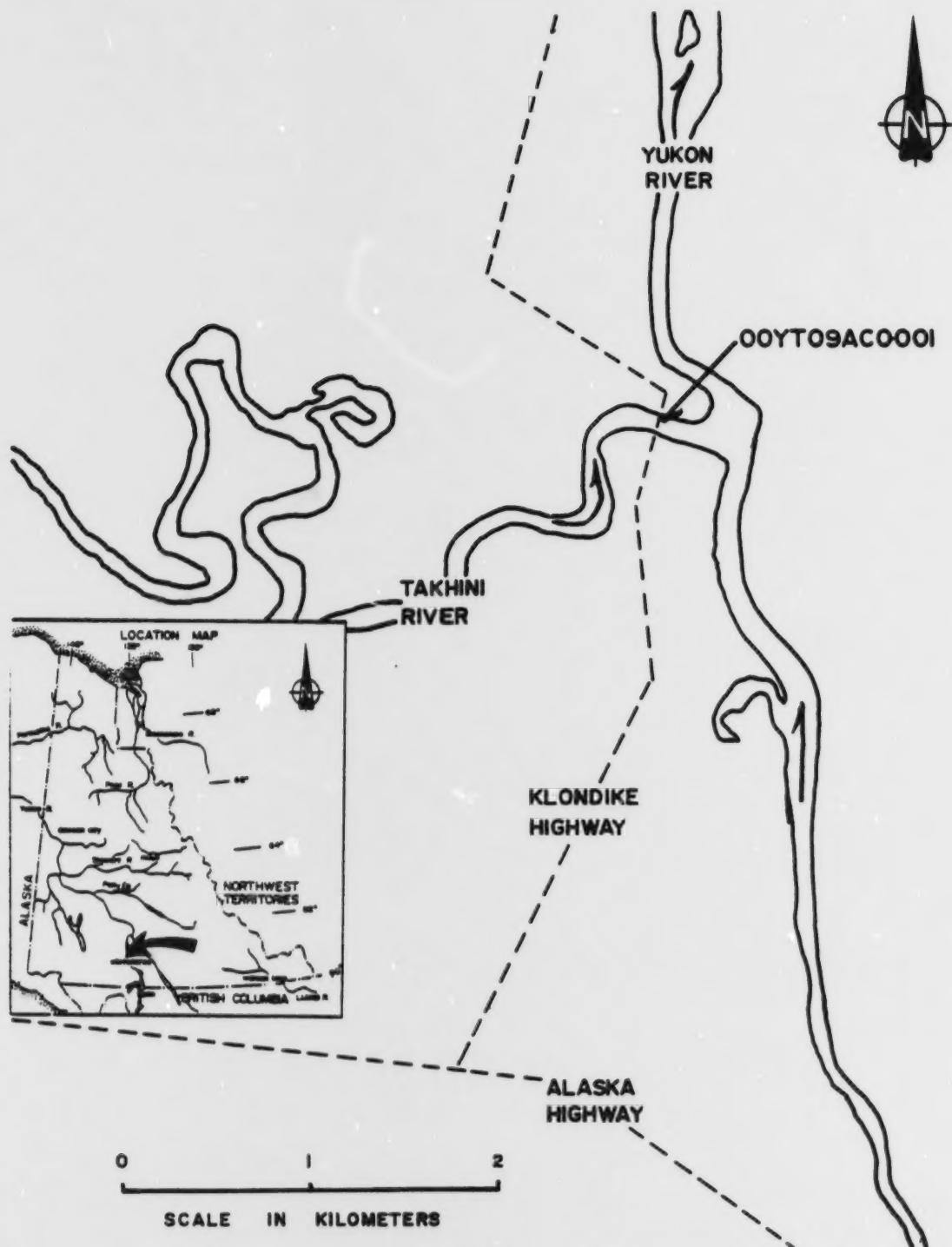


FIGURE 10 TAKHINI RIVER AT MOUTH
WATER QUALITY STATION 00YT09AC0001

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
TAKHINI RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
30	7	1982	956	5	0.0	17.0000	7.6000	0.0	21.1000	7.4000	44.2000	16.0000	15.0000	0.0
30	7	1982	1003	5	20.3000	17.0000	7.6000	0.0	20.3000	7.4900	42.8000	18.0000	10.0000	0.0
30	7	1982	1012	5	0.0	17.0000	7.6000	0.0	20.1000	7.4900	44.1000	14.0000	15.0000	0.0
8	8	1982	1230	9	8.0000	6.0000	7.3000	0.0	21.5000	7.6100	49.3000	32.0000	23.0000	0.0
23	8	1982	1400	9	6.0000	4.0000	7.4000	0.0	21.1000	7.5800	50.5000	21.5000	25.0000	0.0
7	10	1982	1445	9	8.0000	6.0000	7.4000	0.0	22.1000	7.4000	57.1000	8.6000	15.0000	0.0
21	10	1982	1424	9	-3.0000	1.5000	7.3000	0.0	21.2000	7.5000	59.2000	3.6000	5.0000	0.0
5	11	1982	1527	9	0.5000	0.3000	7.6000	32.0000	21.0000	7.6000	61.6000	4.3000	10.0000	0.0
18	11	1982	1530	9	14.5000	0.0	7.4000	42.0000	21.3000	7.5000	72.6000	5.1500	10.0000	0.0
2	12	1982	1445	9	-12.0000	0.0	0.0	40.0000	22.3000	7.7000	79.0000	3.9000	10.0000	0.0
16	12	1982	1328	9	-19.0000	0.1000	7.3000	48.0000	18.4000	7.7500	84.0000	1.9000	5.0000	0.0
30	12	1982	1502	9	-5.1000	0.2000	7.6000	58.0000	20.0000	7.8000	83.9000	4.6000	10.0000	0.0
13	1	1983	1410	9	-28.0000	1.5000	7.2000	0.0	20.8000	7.9000	94.5000	3.0000	10.0000	0.0
27	1	1983	1453	9	-12.0000	0.0	7.4000	50.0000	21.2000	7.5000	98.0000	3.5000	5.0000	0.0
10	2	1983	1422	9	-2.0000	0.2000	7.3000	60.0000	20.8000	7.4000	101.0000	1.6000	10.0000	0.0
24	2	1983	1410	9	3.0000	0.9000	7.2000	55.0000	21.9000	7.6000	107.0000	3.7000	10.0000	0.0
10	3	1983	1303	9	4.0000	0.6000	7.3000	58.0000	21.0000	7.9000	109.0000	3.2000	5.0000	0.0
24	3	1983	1053	9	-14.0000	0.4000	7.4000	69.0000	20.6000	7.9000	112.0000	3.2000	5.0000	0.0
21	4	1983	1110	8	-3.0000	0.5000	7.4000	63.0000	22.1000	7.8000	115.0000	5.3000	5.0000	0.0
5	5	1983	1533	9	8.0000	1.2000	7.4400	72.0000	21.3000	7.8500	131.0000	9.7000	10.0000	0.0
5	5	1983	1345	8	5.0000	2.6000	7.2000	0.0	20.9000	7.8500	115.0000	20.0000	40.0000	0.0
19	5	1983	1400	3	5.0000	2.6000	7.2000	0.0	20.9000	7.8500	115.0000	27.0000	55.0000	0.0
2	6	1983	1115	8	3.0000	7.5000	7.4000	65.0000	22.4000	7.9000	109.0000	22.0000	20.0000	0.0
16	6	1983	1110	9	13.0000	11.0000	7.9000	51.0000	21.7000	7.5000	70.4000	56.0000	30.0000	0.0
30	6	1983	1535	9	18.2000	11.9000	7.6000	45.0000	21.7000	7.4000	60.8000	26.0000	10.0000	0.0
14	7	1983	1155	9	20.0000	14.3000	7.4000	35.0000	19.0000	6.7500	52.6000	44.0000	10.0000	0.0
14	7	1983	1515	9	16.0000	13.2000	7.4000	39.0000	22.6000	7.4000	47.1000	9.6000	5.0000	0.0
28	7	1983	1340	9	21.7000	16.1000	7.4000	38.0000	20.4000	7.5000	47.2000	12.0000	10.0000	0.0
11	8	1983	1355	9	15.4000	13.9000	7.4000	34.0000	18.9000	7.3500	46.4000	13.0000	5.0000	0.0
25	8	1983	1400	9	10.0000	11.7000	6.9000	38.0000	20.6000	7.3500	48.5000	14.0000	5.0000	0.0
8	9	1983	1405	9	13.5000	8.6000	7.2000	38.0000	23.4000	6.9500	53.7000	0.6400	5.0000	0.0
22	9	1983	1425	8	15.0000	10.0000	7.1000	35.0000	22.8000	7.3000	56.3000	4.4500	5.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER QOYTBAC0001

PACIFIC AND YUKON REGION
TAKHINI RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	S102	S04
30	7	1982	956	5	18.5000	20.8000	6.7300	1.0000	0.8000	1.1000	0.3000	0.1140	3.9000	2.1000
30	7	1982	1003	5	18.6000	20.8000	6.5700	1.1000	0.7000	1.0000	0.3000	0.1150	3.9000	2.1000
30	7	1982	1012	5	18.5000	20.0000	6.4900	0.9000	0.7000	1.0000	0.2000	0.1220	3.9000	2.2000
8	8	1982	1230	9	20.6000	22.2000	6.7300	1.3000	0.7000	1.1000	0.2000	0.1100	4.5000	2.3000
23	8	1982	1400	9	21.6000	23.1000	6.8600	1.4000	0.9000	1.2000	0.4000	0.1600	4.5000	1.7000
7	10	1982	1445	9	24.2000	25.8000	7.9000	1.4700	2.0000	2.2000	0.9000	0.1260	4.8000	3.7000
21	10	1982	1424	9	25.4000	26.6000	8.3200	1.4100	0.7000	1.4000	0.3000	0.1000	4.8000	2.8000
5	11	1982	1527	9	26.8000	28.0000	9.1100	1.3000	0.7000	1.4000	0.3000	0.1400	5.0000	2.2000
18	11	1982	1530	9	31.9000	34.5000	11.0000	1.7000	0.8000	1.5000	0.3000	0.1600	5.5000	3.0000
2	12	1982	1445	9	34.6000	37.2000	11.9000	1.8000	0.8000	1.7000	0.5000	0.2000	6.0000	3.4000
16	12	1982	1328	9	36.7000	39.2000	12.2000	2.1200	1.0000	1.8000	0.4000	0.1970	6.2000	3.6000
30	12	1982	1502	9	36.7000	38.8000	12.2000	2.0000	0.9000	1.8000	0.4000	0.2080	6.3000	3.6000
13	1	1983	1410	9	42.8000	45.1000	14.3000	2.3000	1.0000	2.0000	0.5000	0.2100	6.9000	4.1000
27	1	1983	1453	9	44.0000	46.3000	14.7000	2.3200	0.9000	2.0000	0.4000	0.2100	6.8000	4.3000
10	2	1983	1422	9	43.7000	46.2000	14.7000	2.3000	1.0000	2.0000	0.4000	0.2080	6.8000	3.9000
24	2	1983	1410	9	46.2000	48.2000	15.4000	2.6000	1.1000	2.1000	0.5000	0.2260	7.0000	4.9000
10	3	1983	1303	9	48.8000	51.5000	15.8000	2.9000	1.0000	2.1000	0.4000	0.2240	7.1000	5.0000
24	3	1983	1053	9	50.3000	53.1000	20.3000	0.5800	1.0000	1.0000	0.4000	0.3020	7.8000	5.2000
7	4	1983	1110	9	51.2000	54.5000	16.5000	3.2000	1.0000	2.2000	0.4000	0.2150	7.1000	5.5000
21	4	1983	1533	9	57.5000	62.6000	18.7000	3.9000	1.1000	2.6000	0.6000	0.2290	6.9000	7.9000
5	5	1983	1345	9	52.4000	55.7000	18.7000	2.2000	1.2000	2.3000	0.6000	0.2010	6.6000	4.3000
5	5	1983	1400	3	52.8000	55.7000	18.9000	2.1000	1.2000	2.3000	0.6000	0.1930	6.5000	4.5000
19	5	1983	1115	9	47.8000	50.1000	15.4000	2.8000	1.0000	2.0000	0.5000	0.2710	5.9000	4.5000
2	6	1983	1110	9	31.9000	32.7000	10.5000	1.6000	0.9000	1.3000	0.6000	0.1880	4.9000	2.1000
16	6	1983	1535	9	26.1000	26.8000	8.6700	1.3000	0.8000	1.1000	0.4000	0.1790	4.4000	2.3000
30	6	1983	1155	9	22.8000	24.8000	7.9700	1.2000	0.7000	1.1000	0.3000	0.1690	4.1000	1.8000
14	7	1983	1515	9	18.5000	21.8000	7.0000	1.0000	0.7000	1.0000	0.2000	0.2950	4.1000	2.2000
28	7	1983	1340	9	19.6000	21.1000	6.6000	1.1000	0.8000	1.0000	0.2000	0.1930	4.1000	2.0000
11	8	1983	1355	9	19.1000	21.0000	6.3600	1.2000	0.8000	1.0000	0.2000	0.2580	4.0000	2.2000
25	8	1983	1400	9	20.3000	22.1000	6.8500	1.2000	0.7000	1.0000	0.3000	0.2460	4.3000	2.0000
8	9	1983	1405	9	21.7000	23.7000	7.5700	1.2000	0.7000	1.1000	0.2000	0.2760	4.5000	2.9000
22	9	1983	1425	9	23.7000	25.4000	7.9700	1.3000	0.7000	1.2000	0.3000	0.1940	2.5000	2.0000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA					REPORT		PACIFIC AND YUKON REGION							
REPORT FOR STATION NUMBER					O0YT08AC0001		TAKHINI RIVER AT MOUTH							
DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
30	7	1982	956	5	0.0180	29.0000	26.0000	28.0000	4.0000	0.0	0.0	0.0	0.0	0.0
30	7	1982	1003	5	0.0220	30.0000	28.0000	42.0000	12.0000	0.0	0.0	0.0	0.0	0.0
30	7	1982	1012	5	0.0180	26.0000	20.0000	48.0000	19.0000	0.0	0.0	0.0	0.0	0.0
9	9	1982	1230	9	0.0390	18.0000	28.0000	16.0000	24.0000	0.0002	0.0001	0.0	0.0	0.0
23	9	1982	1400	9	0.0190	14.0000	34.0000	11.0000	26.0000	0.0002	0.0001	0.0	0.0	0.0
7	10	1982	1445	9	0.0260	10.0000	50.0000	5.0000	40.0000	0.0001	0.0001	0.0	0.0	0.0
21	10	1982	1424	9	0.0290	8.0000	43.0000	6.0000	21.0000	0.0001	0.0001	0.0	0.0	0.0
5	11	1982	1527	9	0.0460	6.0000	88.0000	2.0000	76.0000	0.0002	0.0001	0.0	0.0	0.0
18	11	1982	1530	9	0.0670	6.0000	62.0000	4.0000	32.0000	0.0002	0.0001	0.0	0.0	0.0
2	12	1982	1445	9	0.0890	6.0000	48.0000	2.0000	24.0000	0.0001	0.0001	0.0	0.0	0.0
16	12	1982	1328	9	0.0680	0.0	0.0	0.0	0.0	0.0002	0.0001	0.0	0.0	0.0
30	12	1982	1502	9	0.0820	12.0000	70.0000	10.0000	34.0000	0.0002	0.0001	0.0	0.0	0.0
13	1	1983	1410	9	0.0950	8.0000	72.0000	6.0000	58.0000	0.0002	0.0001	0.0	0.0	0.0
27	1	1983	1453	9	0.0900	14.0000	60.0000	2.0000	46.0000	0.0003	0.0001	0.0	0.0	0.0
10	2	1983	1422	9	0.1340	4.0000	67.0000	2.0000	43.0000	0.0002	0.0001	0.0	0.0	0.0
24	2	1983	1410	9	0.1870	24.0000	108.0000	12.0000	79.0000	0.0003	0.0001	0.0	0.0	0.0
10	3	1983	1303	9	0.1070	13.0000	70.0000	1.0000	40.0000	0.0001	0.0001	0.0	0.0	0.0
24	3	1983	1053	9	0.1000	17.0000	82.0000	14.0000	32.0000	0.0002	0.0001	0.0	0.0	0.0
7	4	1983	1110	9	0.1730	19.0000	77.0000	6.0000	35.0000	0.0002	0.0001	0.0	0.0	0.0
21	4	1983	1533	9	0.0230	25.0000	109.0000	12.0000	91.0000	0.0004	0.0001	0.0	0.0	0.0
5	5	1983	1345	9	0.0520	394.0000	75.0000	377.0000	66.0000	0.0008	0.0002	0.0	0.0	0.0
5	5	1983	1400	3	0.0390	323.0000	85.0000	302.0000	77.0000	0.0007	0.0001	0.0	0.0	0.0
19	5	1983	1115	9	0.0100	48.0000	395.0000	2.0000	46.0000	0.0004	0.0002	0.0	0.0	0.0
2	6	1983	1110	9	0.0640	310.0000	66.0000	298.0000	63.0000	0.0004	0.0001	0.0	0.0	0.0
16	6	1983	1535	9	0.0560	85.0000	43.0000	80.0000	40.0000	0.0004	0.0001	0.0	0.0	0.0
30	6	1983	1155	9	0.0170	145.0000	127.0000	125.0000	105.0000	0.0003	0.0001	0.0	0.0	0.0
14	7	1983	1515	9	0.0290	63.0000	34.0000	55.0000	12.0000	0.0002	0.0001	0.0	0.0	0.0
28	7	1983	1340	9	0.0430	36.0000	52.0000	34.0000	20.0000	0.0003	0.0001	0.0	0.0	0.0
11	8	1983	1355	9	0.0280	14.0000	147.0000	2.0000	65.0000	0.0002	0.0001	0.0	0.0	0.0
25	8	1983	1400	9	0.0460	31.0000	111.0000	29.0000	81.0000	0.0002	0.0001	0.0	0.0	0.0
8	9	1983	1405	9	0.2230	8.0000	46.0000	2.0000	11.0000	0.0001	0.0001	0.0	0.0	0.0
22	9	1983	1425	9	0.0410	13.0000	103.0000	8.0000	44.0000	0.0002	0.0001	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO9AC0001
 PACIFIC AND YUKON REGION
 TAKHINI RIVER AT MOUTH

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
30	7	1982	956	5		0.0	0.0	0.0	0.0	0.0600	0.0	0.0	0.0	0.0	0.0
30	7	1982	1003	5		0.0	0.0	0.0	0.0	0.0700	0.0	0.0	0.0	0.0	0.0
30	7	1982	1012	5		0.0	0.0	0.0	0.0	0.0700	0.0	0.0	0.0	0.0	0.0
8	8	1982	1230	9		0.0	0.0	0.0	0.0	0.1310	0.0260	0.0	6.2000	0.5200	0.0
23	9	1982	1400	9		0.0	0.0	0.0	0.0	0.0740	0.0350	0.0	5.2000	1.9000	0.0
7	10	1982	1445	9		0.0	0.0	0.0	0.0	0.0780	0.0210	0.0	5.0000	2.7000	0.0
21	10	1982	1424	9		0.0	0.0	0.0	0.0	0.2680	0.0180	0.0	5.2000	4.6000	0.0
5	11	1982	1527	9		0.0	0.0	0.0	0.0	0.1230	0.0260	0.0	7.1000	1.2000	0.0
18	11	1982	1530	9		0.0	0.0	0.0	0.0	0.1440	0.0170	0.0	7.7000	2.1000	0.0
2	12	1982	1445	9		0.0	0.0	0.0	0.0	0.1640	0.0140	0.0	8.5000	3.0000	0.0
16	12	1982	1328	9		0.0	0.0	0.0	0.0	0.1310	0.0	0.0	8.8000	2.8000	0.0
30	12	1982	1502	9		0.0	0.0	0.0	0.0	0.1740	0.0240	0.0	10.0000	4.4000	0.0
13	1	1983	1410	9		0.0	0.0	0.0	0.0	0.1450	0.0130	0.0	16.0000	6.7000	0.0
27	1	1983	1453	9		0.0	0.0	0.0	0.0	0.1670	0.0140	0.0	3.6000	9.4000	0.0
10	2	1983	1422	9		0.0	0.0	0.0	0.0	0.1930	0.0130	0.0	12.0000	2.7000	0.0
24	2	1983	1410	9		0.0	0.0	0.0	0.0	0.3550	0.0160	0.0	13.0000	2.4000	0.0
10	3	1983	1303	9		0.0	0.0	0.0	0.0	0.1560	0.0160	0.0	15.0000	3.6000	0.0
24	3	1983	1053	9		0.0	0.0	0.0	0.0	0.1560	0.0120	0.0	12.0000	5.7000	0.0
7	4	1983	1110	9		0.0	0.0	0.0	0.0	0.2910	0.0220	0.0	14.0000	3.4000	0.0
21	4	1983	1533	9		0.0	0.0	0.0	0.0	0.0870	0.0310	0.0	14.0000	5.1000	0.0
5	5	1983	1345	9		0.0	0.0	0.0	0.0	0.1930	0.3820	0.0	13.0000	6.0000	0.0
5	5	1983	1400	3		0.0	0.0	0.0	0.0	0.1550	0.4580	0.0	11.0000	5.8000	0.0
19	5	1983	1115	9		0.0	0.0	0.0	0.0	0.1430	0.0800	0.0	8.3000	3.5000	0.0
2	6	1983	1110	9		0.0	0.0	0.0	0.0	0.1890	0.1830	0.0	6.9000	0.5200	0.0
16	6	1983	1535	9		0.0	0.0	0.0	0.0	0.1070	0.1530	0.0	5.0000	1.9000	0.0
30	6	1983	1155	9		0.0	0.0	0.0	0.0	0.0740	0.2770	0.0	4.1000	2.3000	0.0
14	7	1983	1515	9		0.0	0.0	0.0	0.0	0.0680	0.1070	0.0	4.4000	2.3000	0.0
28	7	1983	1340	9		0.0	0.0	0.0	0.0	0.1150	0.0620	0.0	4.9000	0.5200	0.0
11	8	1983	1355	9		0.0	0.0	0.0	0.0	0.0810	0.0400	0.0	4.7000	0.9200	0.0
25	8	1983	1400	9		0.0	0.0	0.0	0.0	0.1090	0.0370	0.0	6.2000	0.9400	0.0
8	9	1983	1405	9		0.0	0.0	0.0	0.0	0.2850	0.0320	0.0	6.7000	0.5300	0.0
22	9	1983	1425	9		0.0	0.0	0.0	0.0	0.1540	0.1300	0.0			0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER O0YT08AC0001

PACIFIC AND YUKON REGION
TAKHINI RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
30	7	1982	956	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	7	1982	1003	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	7	1982	1012	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	8	1982	1230	8	0.0	0.0	0.0	0.0	0.0	1.2000	0.0010	0.0200	0.0500	0.0040
23	8	1982	1400	8	0.0	0.0	0.0	0.0	0.0030	1.8000	0.0040	0.0300	0.0500	0.0010
7	10	1982	1445	8	0.0	0.0	0.0	0.0	0.0020	2.8000	0.0020	0.0100	0.0500	0.0300
21	10	1982	1424	9	0.0	0.0	0.0	0.0	0.0030	1.1000	0.0080	0.0200	0.0050	0.0030
5	11	1982	1527	9	0.0	0.0	0.0	0.0	0.0010	0.6500	0.0010	0.0100	0.0500	0.0030
18	11	1982	1530	8	0.0	0.0	0.0	0.0	0.0010	0.5500	0.0010	0.0100	0.0500	0.0050
2	12	1982	1445	8	0.0	0.0	0.0	0.0	0.0010	0.5000	0.0020	0.0100	0.0500	0.0080
16	12	1982	1328	8	0.0	0.0	0.0	0.0	0.0040	0.3700	0.0020	0.0100	0.0500	0.0060
30	12	1982	1502	8	0.0	0.0	0.0	0.0	0.0020	0.5500	0.0010	0.0100	0.0500	0.0230
13	1	1983	1410	8	0.0	0.0	0.0	0.0	0.0020	0.4600	0.0010	0.0100	0.0500	0.0030
27	1	1983	1453	8	0.0	0.0	0.0	0.0	0.0020	0.5000	0.0020	0.0100	0.0500	0.0060
10	2	1983	1422	8	0.0	0.0	0.0	0.0	0.0020	0.5100	0.0010	0.0100	0.0500	0.0080
24	2	1983	1410	9	0.0	0.0	0.0	0.0	0.0010	0.5700	0.0020	0.0100	0.0500	0.0080
10	3	1983	1303	8	0.0	0.0	0.0	0.0	0.0020	0.3300	0.0020	0.0100	0.0500	0.0080
24	3	1983	1053	8	0.0	0.0	0.0	0.0	0.0010	0.1900	0.0030	0.0100	0.0500	0.0120
7	4	1983	1110	8	0.0	0.0	0.0	0.0	0.0030	0.6500	0.0010	0.0200	0.0500	0.0200
21	4	1983	1533	8	0.0	0.0	0.0	0.0	0.0100	0.8000	0.0030	0.0200	0.0700	0.0030
5	5	1983	1345	8	0.0	0.0	0.0	0.0	0.0120	5.5000	0.0070	0.1300	0.0500	0.0170
5	5	1983	1400	3	0.0	0.0	0.0	0.0	0.0080	6.0000	0.0290	0.1300	0.0500	0.0400
19	5	1983	1115	8	0.0	0.0	0.0	0.0	0.0080	2.0000	0.0010	0.0800	0.0500	0.0030
2	6	1983	1110	8	0.0	0.0	0.0	0.0	0.0100	6.6000	0.0150	0.1400	0.0500	0.0150
16	6	1983	1535	8	0.0	0.0	0.0	0.0	0.0060	3.6000	0.0050	0.0800	0.0500	0.0090
30	6	1983	1155	8	0.0	0.0	0.0	0.0	0.0180	4.3000	0.0070	0.1000	0.0500	0.0150
14	7	1983	1515	8	0.0	0.0	0.0	0.0	0.0030	2.0000	0.0050	0.0100	0.0500	0.0020
28	7	1983	1340	8	0.0	0.0	0.0	0.0	0.0030	1.2000	0.0040	0.0300	0.0500	0.0060
11	8	1983	1355	8	0.0	0.0	0.0	0.0	0.0070	1.1000	0.0020	0.0200	0.0500	0.0030
25	8	1983	1400	8	0.0	0.0	0.0	0.0	0.0090	1.0000	0.0020	0.0200	0.0500	0.0020
8	8	1983	1405	8	0.0	0.0	0.0	0.0	0.0010	0.5800	0.0070	0.0200	0.0500	0.0030
22	8	1983	1425	8	0.0	0.0	0.0	0.0	0.0050	0.8500	0.0060	0.0300	0.0500	0.0010

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APPENDIX 2.10

00YT09AB0008 YUKON RIVER UPSTREAM OF TAKHINI RIVER

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees from mid stream Yukon River. The sample site is located 2765 km from the mouth of the Yukon River and 27 km d/s of Whitehorse, Yukon.	LAT 60°50'15"N LONG 133°10'42"W	640 m (2100 ft)	21,000 km ² (8,100 mi ²)	every 2 weeks	FIGURE 1 FIGURE 11 PLATE 21 PLATE 22 MAP 105 D/14

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (WSC 09AB001, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	113	102	95.2	95.5	138	291	435	495	457	352	194	133.4
MAXIMUM	183	154	173	194	236	463	598	631	562	512	388	229
MINIMUM	56.6	55.6	56.4	49.6	68.2	149	293	364	303	205	76.5	79.8

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									463	289	141	133
1983												

* - ICE CONDITIONS



PLATE 21 WATER QUALITY STATION 00YT09AB0008
LOOKING DOWNSTREAM YUKON RIVER AT SAMPLE STATION
ABOVE CONFLUENCE WITH TAKHINI RIVER



PLATE 22 WATER QUALITY STATION 00YT09AB0008
LOOKING DOWNSTREAM YUKON RIVER AT SAMPLE STATION
ABOVE THE CONFLUENCE OF THE TAKHINI RIVER

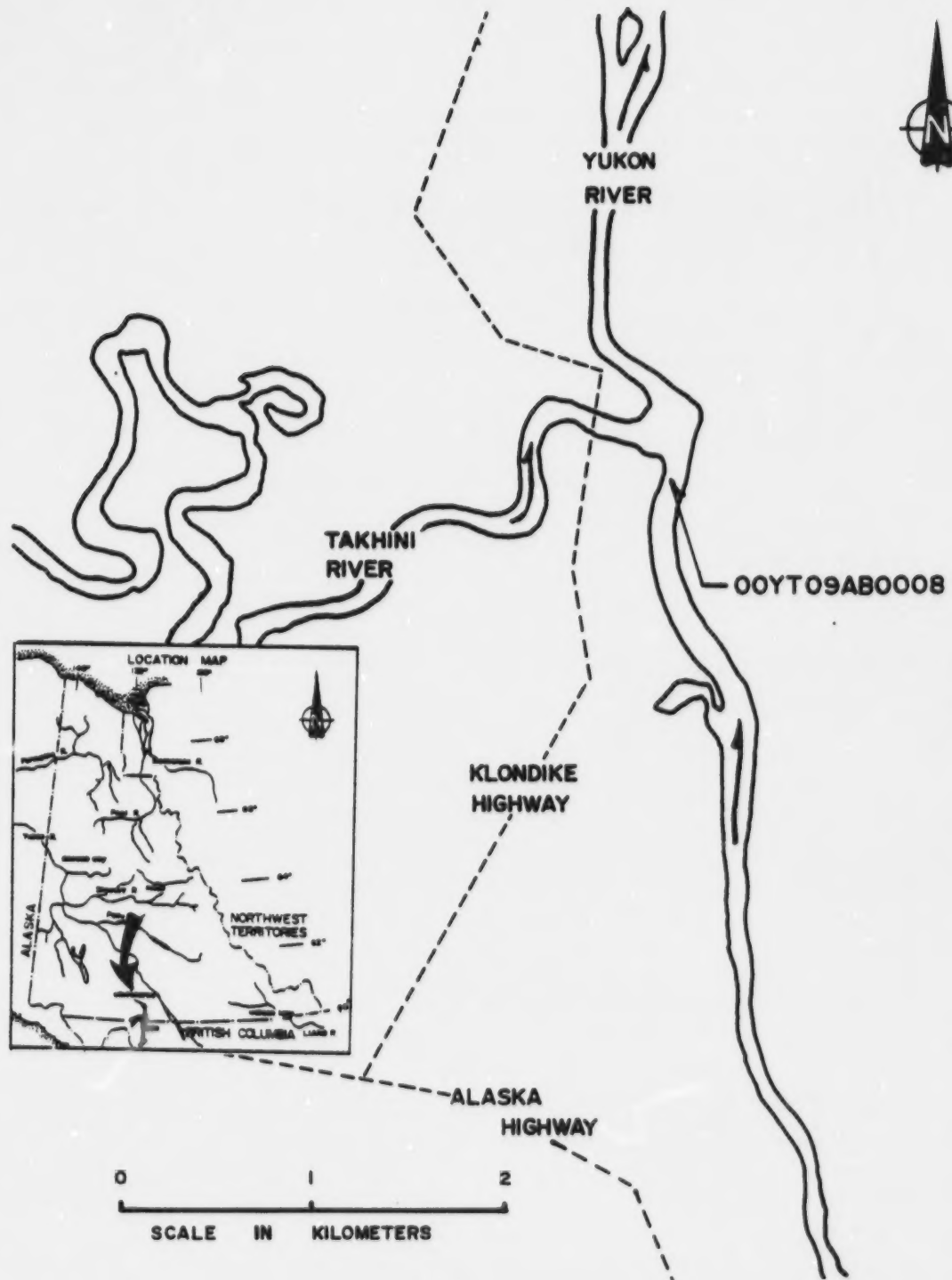


FIGURE II YUKON RIVER ABOVE TAKHINI RIVER
WATER QUALITY STATION 00YT09AB0008

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT09AB0008

PACIFIC AND YUKON REGION
 YUKON RIVER ABOVE TAKHINI RIVER

DD	MM	YEAR	HR:M	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
3	8	1982	1305	5	0.0	12.0000	7.6000	0.0	22.8000	7.7200	86.7000	1.3000	10.0000	0.0
3	8	1982	1315	5	0.0	12.0000	7.6000	0.0	22.0000	7.7800	86.9000	1.2500	7.0000	0.0
3	8	1982	1325	5	0.0	12.0000	7.6000	0.0	22.0000	7.7800	87.2000	1.3000	10.0000	0.0
9	9	1982	1245	9	8.0000	8.0000	7.8000	0.0	21.5000	7.8000	88.8000	1.1000	10.0000	0.0
23	9	1982	1420	9	6.0000	6.0000	7.9000	0.0	21.2000	7.7000	86.7000	0.7500	5.0000	0.0
7	10	1982	1535	9	8.0000	8.0000	7.7500	0.0	22.2000	7.7000	90.8000	0.3200	5.0000	0.0
21	10	1982	1455	9	-3.0000	3.5000	7.5000	0.0	8.1000	7.4000	97.6000	0.2400	3.0000	0.0
4	11	1982	1559	9	0.0	0.5000	7.6000	51.0000	21.2000	7.7000	98.0000	0.2100	5.0000	0.0
18	11	1982	1605	9	-14.5000	0.5000	7.5000	48.0000	21.3000	7.7500	84.9000	3.8000	7.0000	0.0
2	12	1982	1445	9	-12.0000	0.0	0.0	55.0000	22.0000	7.6000	103.0000	0.3800	5.0000	0.0
15	12	1982	1410	9	-19.0000	0.3000	7.0000	49.0000	19.0000	7.7000	161.0000	0.2200	5.0000	0.0
30	12	1982	1548	9	-5.1000	0.1000	7.6000	53.0000	20.0000	7.8000	103.0000	0.7200	5.0000	0.0
13	1	1983	1500	9	-28.0000	1.5000	7.2000	0.0	20.8000	7.9000	102.0000	0.4000	5.0000	0.0
27	1	1983	1525	9	-12.0000	0.1000	7.4000	50.0000	21.3000	7.6000	98.7000	0.3300	5.0000	0.0
10	2	1983	1500	9	-5.0000	0.1000	7.4000	58.0000	21.0000	7.8000	99.5000	0.2400	5.0000	0.0
24	2	1983	1440	9	3.0000	0.7000	7.5000	50.0000	22.2000	7.7000	98.2000	0.3000	5.0000	0.0
10	3	1983	1341	9	4.0000	1.2000	7.3000	59.0000	20.5000	7.7300	97.3000	0.2500	5.0000	0.0
24	3	1983	1109	9	-14.0000	1.5000	7.4000	60.0000	20.1000	7.8500	98.1000	0.2500	0.0	0.0
7	4	1983	1140	9	-3.0000	0.9000	7.9000	52.0000	21.8000	7.8000	99.8000	0.7000	5.0000	0.0
21	4	1983	1608	9	8.0000	3.7000	7.4000	63.0000	21.0000	7.8000	104.0000	2.4000	5.0000	0.0
5	5	1983	1430	9	5.0000	4.5000	7.1000	0.0	20.5000	7.8000	117.0000	40.0000	10.0000	0.0
18	5	1983	1135	9	11.0000	6.2000	7.2000	65.0000	22.7000	7.7000	101.0000	2.8000	15.0000	0.0
2	6	1983	1130	9	13.0000	12.0000	7.7000	72.0000	22.0000	7.7000	98.6000	4.1000	5.0000	0.0
15	6	1983	1450	9	18.2000	13.9000	7.8000	75.0000	22.3000	7.6000	93.8000	1.0000	5.0000	0.0
30	6	1983	1215	9	20.0000	16.1000	7.3000	73.0000	19.0000	7.6500	53.0000	0.1400	5.0000	0.0
14	7	1983	1450	9	17.0000	15.4000	7.9000	72.0000	22.6000	7.5000	91.2000	0.2800	5.0000	0.0
29	7	1983	1415	9	21.7000	17.4000	7.8000	75.0000	20.3000	7.9000	91.1000	0.6500	5.0000	0.0
11	8	1983	1420	9	16.0000	15.9000	7.6000	72.0000	23.8000	6.9000	91.1000	1.3000	5.0000	0.0
25	8	1983	1430	9	10.0000	12.5000	7.3000	72.0000	23.5000	7.0000	86.0000	1.3000	5.0000	0.0
8	9	1983	1440	9	13.5000	12.0000	7.8000	67.0000	23.7000	7.5500	92.3000	0.5400	5.0000	0.0
22	9	1983	1450	9	15.0000	11.0000	7.1000	68.0000	23.0000	7.6500	94.6000	0.3600	5.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AB0008

PACIFIC AND YUKON REGION
YUKON RIVER ABOVE TAKHINI RIVER

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	SD4
3	8	1982	1305	5	37.4000	42.8000	13.1000	2.4000	0.6000	1.1000	0.2000	0.0540	2.8000	5.5000
3	8	1982	1315	5	37.8000	42.4000	12.6000	2.6000	0.5000	1.0000	0.2000	0.0650	2.8000	5.6000
3	8	1982	1325	5	35.7000	42.2000	12.6000	0.0	0.5000	1.0000	0.2000	0.0640	2.8000	5.5000
9	9	1982	1245	9	38.0000	43.2000	13.5000	2.3000	0.6000	1.0000	0.2000	0.0600	2.7000	5.2000
23	9	1982	1420	9	38.0000	43.0000	12.8000	2.7000	0.6000	1.0000	0.2000	0.0800	2.7000	5.6000
7	10	1982	1535	9	39.0000	45.1000	13.4000	2.8000	0.5000	1.0000	0.2000	0.0560	2.8000	5.3000
21	10	1982	1455	9	40.3000	45.2000	13.7000	2.6600	0.5000	1.1000	0.2000	0.0500	2.9000	5.6000
4	11	1982	1559	9	42.6000	47.2000	13.9000	3.0000	0.5000	1.2000	0.2000	0.0600	3.1000	5.1000
18	11	1982	1605	9	37.9000	41.0000	12.7000	2.3000	0.7000	1.4000	0.3000	0.1300	5.0000	3.8000
2	12	1982	1445	9	46.6000	52.2000	16.0000	3.0000	0.6000	1.4000	0.5000	0.0860	3.4000	5.9000
16	12	1982	1410	9	45.2000	51.1000	15.4000	3.1000	0.7000	1.2000	0.3000	0.0850	3.3000	5.9000
30	12	1982	1548	9	45.4000	50.6000	15.9000	2.6000	0.7000	1.2000	0.3000	0.0840	3.2000	5.6000
13	1	1983	1500	9	46.0000	51.0000	15.7000	2.9000	0.8000	1.2000	0.4000	0.0780	3.2000	6.1000
27	1	1983	1525	9	43.8000	49.9000	15.4000	2.7700	0.6000	1.1000	0.3000	0.0790	3.1000	5.8000
10	2	1983	1500	9	42.6000	48.4000	14.7000	2.8000	0.7000	1.2000	0.2000	0.0900	3.2000	5.4000
24	2	1983	1440	9	41.5000	47.2000	14.4000	2.7000	0.6000	1.0000	0.2000	0.0890	3.1000	6.1000
10	3	1983	1341	9	42.0000	47.1000	14.6000	2.6000	0.7000	1.0000	0.2000	0.0820	3.3000	6.1000
24	3	1983	1109	9	42.6000	48.0000	14.4000	2.9000	0.7000	1.2000	0.2000	0.1350	3.2000	6.1000
7	4	1983	1140	9	43.3000	47.9000	14.3000	3.0000	0.6000	1.2000	0.3000	0.0970	3.2000	6.3000
21	4	1983	1608	9	45.2000	50.7000	15.7000	2.8000	0.6000	1.3000	0.3000	0.0880	3.3000	6.2000
5	5	1983	1430	9	49.9000	53.3000	17.5000	2.8000	0.8000	1.5000	0.3000	0.0870	3.8000	5.6000
18	5	1983	1135	9	44.0000	49.1000	14.5000	3.1000	0.6000	1.0000	0.3000	0.0960	3.4000	5.0000
2	6	1983	1130	9	44.2000	48.0000	14.7000	2.7000	0.6000	1.1000	0.2000	0.0720	3.3000	5.3000
16	6	1983	1450	9	42.1000	45.9000	13.4000	3.0000	0.6000	1.0000	0.2000	0.0850	3.0000	5.3000
30	6	1983	1215	9	40.1000	45.1000	13.8000	2.6000	0.5000	1.1000	0.2000	0.0890	2.9000	5.1000
14	7	1983	1450	9	39.5000	44.4000	13.6000	2.5000	0.5000	1.0000	0.2000	0.1430	4.8000	5.4000
29	7	1983	1415	9	38.0000	43.7000	13.1000	2.7000	0.7000	1.0000	0.2000	0.0850	2.7000	5.3000
11	8	1983	1420	9	37.3000	42.9000	13.1000	2.5000	0.6000	1.0000	0.2000	0.1480	2.6000	5.0000
25	8	1983	1430	9	36.0000	43.4000	13.3000	2.5000	0.5000	1.0000	0.2000	0.1330	2.7000	4.9000
8	9	1983	1440	9	38.9000	43.4000	13.7000	2.2000	0.6000	1.0000	0.2000	0.1440	2.8000	3.1000
22	9	1983	1450	9	41.0000	46.1000	14.1000	2.6000	0.6000	1.0000	0.3000	0.0950	2.8000	4.8000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AB00008

REPORT
YUKON RIVER ABOVE TAKHINI RIVER

PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
3	8	1982	1305	5	0.0020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8	1982	1315	5	0.0070	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8	1982	1325	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	9	1982	1245	9	0.0030	4.0000	48.0000	3.0000	38.0000	0.0003	0.0001	0.0	0.0	0.0
23	9	1982	1420	9	0.0010	5.0000	50.0000	4.0000	41.0000	0.0003	0.0001	0.0	0.0	0.0
7	10	1982	1535	9	0.0020	5.0000	45.0000	0.0	42.0000	0.0003	0.0001	0.0	0.0	0.0
21	10	1982	1455	9	0.0040	0.0	56.0000	0.0	44.0000	0.0003	0.0001	0.0	0.0	0.0
4	11	1982	1559	9	0.0080	0.0	112.0000	0.0	102.0000	0.0003	0.0002	0.0	0.0	0.0
18	11	1982	1605	9	0.0770	2.0000	52.0000	0.0	44.0000	0.0003	0.0001	0.0	0.0	0.0
2	12	1982	1445	9	0.0300	6.0000	30.0000	0.0	18.0000	0.0	0.0	0.0	0.0	0.0
16	12	1982	1410	9	0.0200	0.0	0.0	0.0	0.0	0.0003	0.0001	0.0	0.0	0.0
30	12	1982	1548	9	0.0690	8.0000	158.0000	2.0000	134.0000	0.0002	0.0001	0.0	0.0	0.0
13	1	1983	1500	9	0.0370	2.0000	122.0000	2.0000	120.0000	0.0003	0.0002	0.0	0.0	0.0
27	1	1983	1525	9	0.0280	10.0000	108.0000	2.0000	52.0000	0.0002	0.0001	0.0	0.0	0.0
10	2	1983	1500	9	0.0370	7.0000	46.0000	3.0000	44.0000	0.0003	0.0001	0.0	0.0	0.0
24	2	1983	1440	9	0.0820	12.0000	58.0000	4.0000	37.0000	0.0003	0.0001	0.0	0.0	0.0
10	3	1983	1341	9	0.4320	2.0000	52.0000	1.0000	26.0000	0.0002	0.0001	0.0	0.0	0.0
24	3	1983	1109	9	0.0230	16.0000	183.0000	6.0000	165.0000	0.0001	0.0001	0.0	0.0	0.0
7	4	1983	1140	9	0.0280	2.0000	65.0000	1.0000	18.0000	0.0003	0.0001	0.0	0.0	0.0
21	4	1983	1608	9	0.0280	7.0000	60.0000	3.0000	49.0000	0.0003	0.0001	0.0	0.0	0.0
5	5	1983	1430	9	0.0330	23.0000	125.0000	16.0000	118.0000	0.0002	0.0002	0.0	0.0	0.0
19	5	1983	1135	9	0.0160	41.0000	89.0000	3.0000	49.0000	0.0002	0.0001	0.0	0.0	0.0
2	6	1983	1130	9	0.0160	21.0000	89.0000	9.0000	68.0000	0.0003	0.0001	0.0	0.0	0.0
16	6	1983	1450	9	0.0080	2.0000	50.0000	1.0000	45.0000	0.0003	0.0001	0.0	0.0	0.0
30	6	1983	1215	9	0.0100	17.0000	67.0000	7.0000	45.0000	0.0004	0.0001	0.0	0.0	0.0
14	7	1983	1450	9	0.5320	5.0000	52.0000	2.0000	30.0000	0.0003	0.0001	0.0	0.0	0.0
29	7	1983	1415	9	0.0050	6.0000	81.0000	5.0000	3.0000	0.0001	0.0001	0.0	0.0	0.0
11	8	1983	1420	9	0.0090	10.0000	109.0000	4.0000	38.0000	0.0002	0.0001	0.0	0.0	0.0
25	8	1983	1430	9	0.0130	16.0000	108.0000	7.0000	45.0000	0.0002	0.0001	0.0	0.0	0.0
8	9	1983	1440	9	0.2880	2.0000	97.0000	1.0000	22.0000	0.0002	0.0001	0.0	0.0	0.0
22	9	1983	1450	9	0.0090	9.0000	79.0000	7.0000	72.0000	0.0003	0.0001	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER OOVTO9AB0008

PACIFIC AND YUKON REGION
YUKON RIVER ABOVE TAKHINI RIVER

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
3	8	1982	1305	5	0.0	0.0	0.0	0.0	0.0460	0.0	0.0	0.0	0.0	0.0
3	8	1982	1315	5	0.0	0.0	0.0	0.0	0.0530	0.0	0.0	0.0	0.0	0.0
3	8	1982	1325	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	9	1982	1245	9	0.0	0.0	0.0	0.0	0.0440	0.0040	0.0	9.7000	1.4000	0.0
23	9	1982	1420	9	0.0	0.0	0.0	0.0	0.0480	0.0060	0.0	9.4000	2.5000	0.0
7	10	1982	1535	9	0.0	0.0	0.0	0.0	0.0440	0.0070	0.0	9.0000	2.5000	0.0
21	10	1982	1455	9	0.0	0.0	0.0	0.0	0.0600	0.0080	0.0	9.3000	3.6000	0.0
4	11	1982	1559	9	0.0	0.0	0.0	0.0	0.0690	0.0110	0.0	11.0000	0.9600	0.0
18	11	1982	1605	9	0.0	0.0	0.0	0.0	0.1620	0.0150	0.0	9.2000	2.3000	0.0
2	12	1982	1445	9	0.0	0.0	0.0	0.0	0.1750	0.0170	0.0	12.0000	2.0000	0.0
16	12	1982	1410	9	0.0	0.0	0.0	0.0	0.1030	0.0090	0.0	11.0000	3.0000	0.0
30	12	1982	1548	9	0.0	0.0	0.0	0.0	0.1800	0.0210	0.0	11.0000	2.2000	0.0
13	1	1983	1500	9	0.0	0.0	0.0	0.0	0.0810	0.0100	0.0	11.0000	3.4000	0.0
27	1	1983	1525	9	0.0	0.0	0.0	0.0	0.1040	0.0120	0.0	14.0000	3.7000	0.0
10	2	1983	1500	8	0.0	0.0	0.0	0.0	0.0590	0.0150	0.0	9.5000	2.3000	0.0
24	2	1983	1440	8	0.0	0.0	0.0	0.0	0.1670	0.0080	0.0	11.0000	1.6000	0.0
10	3	1983	1341	8	0.0	0.0	0.0	0.0	0.9380	0.0070	0.0	11.0000	1.9000	0.0
24	3	1983	1109	9	0.0	0.0	0.0	0.0	0.0670	0.0110	0.0	13.0000	3.1000	0.0
7	4	1983	1140	9	0.0	0.0	0.0	0.0	0.0730	0.0170	0.0	8.9000	3.6000	0.0
21	4	1983	1608	9	0.0	0.0	0.0	0.0	0.0720	0.0150	0.0	11.0000	2.5000	0.0
5	5	1983	1430	9	0.0	0.0	0.0	0.0	0.0960	0.0320	0.0	13.0000	2.5000	0.0
18	5	1983	1135	9	0.0	0.0	0.0	0.0	0.1280	0.0260	0.0	11.0000	4.4000	0.0
2	6	1983	1130	9	0.0	0.0	0.0	0.0	0.0900	0.0240	0.0	12.0000	1.7000	0.0
15	6	1983	1450	8	0.0	0.0	0.0	0.0	0.0510	0.0140	0.0	10.0000	2.1000	0.0
30	6	1983	1215	9	0.0	0.0	0.0	0.0	0.1440	0.0480	0.0	9.0000	2.4000	0.0
14	7	1983	1450	9	0.0	0.0	0.0	0.0	0.6130	0.0350	0.0	9.5000	2.6000	0.0
29	7	1983	1415	9	0.0	0.0	0.0	0.0	0.0770	0.0980	0.0	9.6000	0.5200	0.0
11	8	1983	1420	9	0.0	0.0	0.0	0.0	0.0770	0.0500	0.0	8.7000	1.7000	0.0
25	8	1983	1430	9	0.0	0.0	0.0	0.0	0.0820	0.0170	0.0	10.0000	0.5200	0.0
8	9	1983	1440	9	0.0	0.0	0.0	0.0	0.4230	0.0220	0.0	11.0000	1.4000	0.0
22	9	1983	1450	9	0.0	0.0	0.0	0.0	0.0940	0.0100	0.0	11.0000	1.2000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT08AB0008

PACIFIC AND YUKON REGION
YUKON RIVER ABOVE TAKHINI RIVER

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
3	8	1982	1305	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8	1982	1315	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8	1982	1325	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	9	1982	1245	8		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	9	1982	1420	8		0.0	0.0	0.0	0.0	0.030	0.080	0.0030	0.0100	0.0500	0.0010
7	10	1982	1535	8		0.0	0.0	0.0	0.0	0.0010	0.0800	0.0040	0.0100	0.0500	0.0040
21	10	1982	1455	9		0.0	0.0	0.0	0.0	0.0020	0.1200	0.0010	0.0100	0.0500	0.0200
4	11	1982	1559	9		0.0	0.0	0.0	0.0	0.0010	0.1100	0.0020	0.0100	0.0500	0.0010
18	11	1982	1605	9		0.0	0.0	0.0	0.0	0.0500	0.0360	0.0010	0.0100	0.0500	0.0040
2	12	1982	1445	9		0.0	0.0	0.0	0.0	0.0010	0.5000	0.0010	0.0100	0.0500	0.0030
16	12	1982	1410	9		0.0	0.0	0.0	0.0	0.0020	0.1100	0.0020	0.0100	0.0	0.0600
30	12	1982	1548	9		0.0	0.0	0.0	0.0	0.0020	0.0400	0.0020	0.0100	0.0500	0.0130
13	1	1983	1500	9		0.0	0.0	0.0	0.0	0.0010	0.1500	0.0020	0.0100	0.0500	0.0170
27	1	1983	1525	9		0.0	0.0	0.0	0.0	0.0010	0.0800	0.0010	0.0100	0.0500	0.0010
10	2	1983	1500	9		0.0	0.0	0.0	0.0	0.0010	0.0700	0.0010	0.0100	0.0500	0.0060
24	2	1983	1440	9		0.0	0.0	0.0	0.0	0.0020	0.0500	0.0020	0.0100	0.0500	0.0020
10	3	1983	1341	9		0.0	0.0	0.0	0.0	0.0020	0.1000	0.0030	0.0100	0.0500	0.0120
24	3	1983	1109	9		0.0	0.0	0.0	0.0	0.0010	0.0180	0.0020	0.0100	0.0500	0.0040
7	4	1983	1140	9		0.0	0.0	0.0	0.0	0.0010	0.0200	0.0010	0.0100	0.0500	0.0080
21	4	1983	1608	9		0.0	0.0	0.0	0.0	0.0010	0.0450	0.0010	0.0100	0.0500	0.0080
5	5	1983	1430	9		0.0	0.0	0.0	0.0	0.0030	0.2700	0.0010	0.0100	0.0500	0.0050
19	5	1983	1135	9		0.0	0.0	0.0	0.0	0.0050	0.3700	0.0040	0.0200	0.0500	0.0080
2	6	1983	1130	9		0.0	0.0	0.0	0.0	0.0010	0.3500	0.0010	0.0100	0.0500	0.0010
16	6	1983	1450	9		0.0	0.0	0.0	0.0	0.0010	0.0450	0.0070	0.0200	0.0500	0.0040
30	6	1983	1215	9		0.0	0.0	0.0	0.0	0.0070	0.2200	0.0010	0.0100	0.0500	0.0030
14	7	1983	1450	9		0.0	0.0	0.0	0.0	0.0020	0.1700	0.0040	0.0100	0.0500	0.0080
29	7	1983	1415	8		0.0	0.0	0.0	0.0	0.0010	0.1700	0.0030	0.0100	0.0500	0.0010
11	8	1983	1420	8		0.0	0.0	0.0	0.0	0.0020	0.1900	0.0010	0.0100	0.0500	0.0020
25	8	1983	1430	8		0.0	0.0	0.0	0.0	0.0060	0.7900	0.0130	0.0200	0.0500	0.0010
8	9	1983	1440	8		0.0	0.0	0.0	0.0	0.0080	0.1900	0.0020	0.0100	0.0500	0.0040
22	9	1983	1450	8		0.0	0.0	0.0	0.0	0.0040	0.0700	0.0020	0.0100	0.0500	0.0030
						0.0	0.0	0.0	0.0	0.0100	0.1300	0.0090	0.0100	0.0500	0.0010

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees from the headwaters of the Yukon River at the outlet of Lake Laberge. The sample site is located 2702 km from the mouth of the Yukon River in Alaska.	LAT 61°26'10"N LONG 135°11'18"W	610 m (2000 ft)	30,800 km ² (11,900 mi ²)	Once in winter, monthly during open water	FIGURE 1 FIGURE 12 PLATE 23 PLATE 24 MAP 105 E/6

A-211

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1953 - 1982 (WSC 09AB009, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	165*	146*	132*	132*	160	316	571	664	614	480	303	202*
MAXIMUM	238*	188*	176*	215*	237	613	765	806	748	656	432	301*
MINIMUM	93.7*	84.0*	74.7*	74.1*	110	207	366	468	434	291	188	124*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982												
1983	*	*	*	*					633	465	263	188*

* - ICE CONDITIONS



PLATE 23 WATER QUALITY STATION 00YT09AB0011
LOOKING UPSTREAM YUKON RIVER AT THE OUTLET OF
LAKE LABERGE



PLATE 24 WATER QUALITY STATION 00YT09AB0011
LOOKING DOWNSTREAM YUKON RIVER FROM THE OUTLET
OF LAKE LABERGE

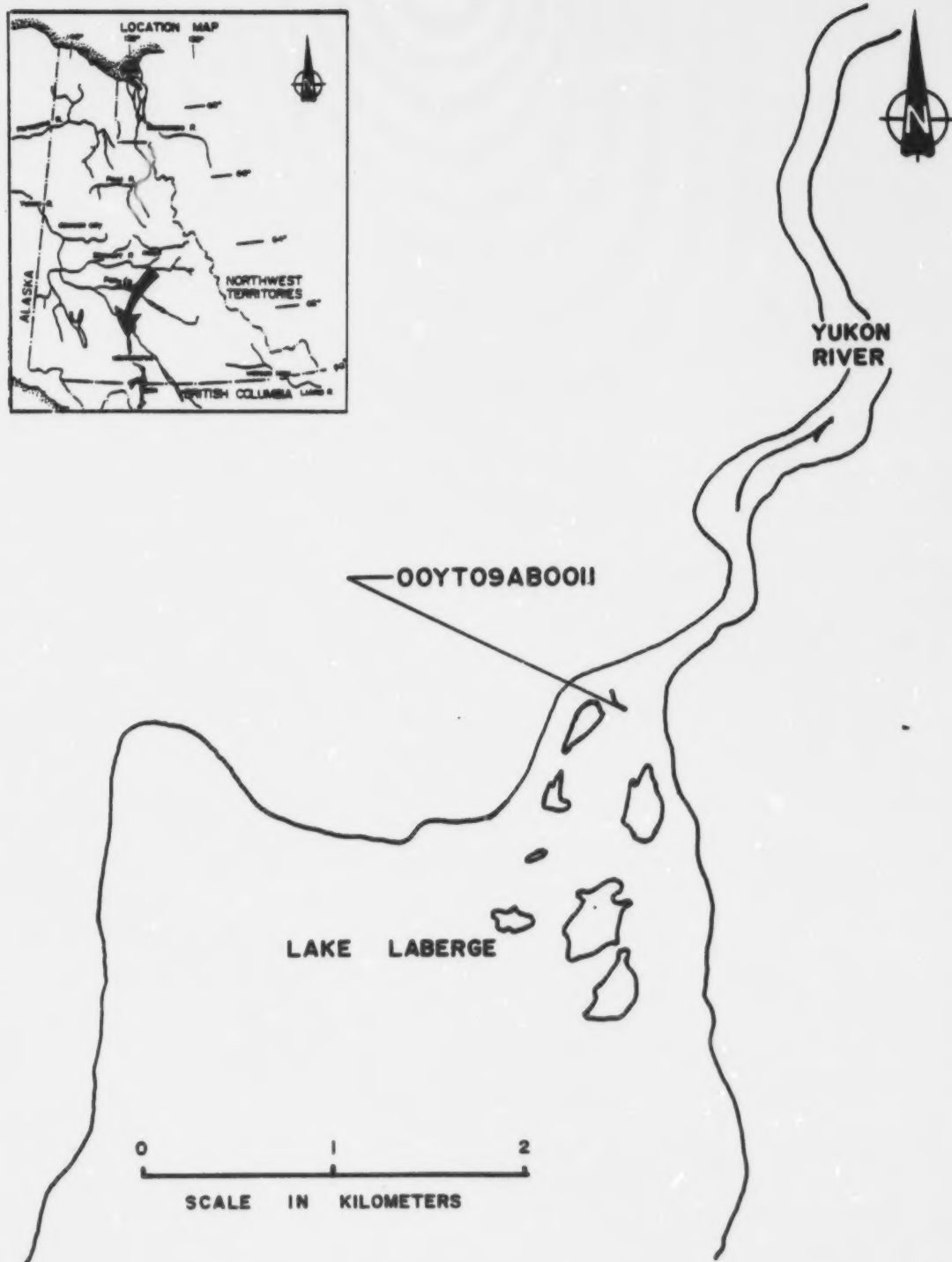


FIGURE 12 LAKE LABERGE OUTLET
WATER QUALITY STATION Ooyt09AB0011

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT09AB0011 LAKE LEBERGE OUTLET PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
4	8	1982	1235	5	0.0	12.0000	8.0000	0.0	0.0	7.7000	85.4000	0.8000	10.0000	0.0
7	9	1982	1310	9	7.0000	8.0000	7.9000	0.0	21.8000	7.8500	85.1000	5.1000	7.0000	0.0
24	2	1983	1300	9	2.0000	1.1000	7.5000	68.0000	22.1000	7.8500	105.0000	0.3100	5.0000	0.0
10	6	1983	1145	9	12.0000	7.6000	7.5000	67.0000	22.4000	7.7000	92.6000	1.5000	5.0000	0.0
8	7	1983	1410	9	24.0000	15.3000	7.5000	69.0000	22.2000	7.5500	90.8000	1.2000	5.0000	0.0
10	8	1983	1120	9	14.0000	11.5000	7.8000	61.0000	23.6000	7.6000	90.0000	0.7600	5.0000	0.0
9	9	1983	1307	9	9.2000	10.3000	7.7000	67.0000	21.8000	7.6500	88.3000	0.2200	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AB0011

DD MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
4	8	1982	1235	5	38.2000	42.0000	0.0	0.6000	1.2000	0.2000	0.0720	3.3000	5.2000
7	9	1982	1310	9	37.2000	42.4000	2.7000	3.9000	1.4000	3.2000	0.0800	3.2000	5.4000
24	2	1983	1300	9	46.2000	51.0000	3.0000	0.7000	1.2000	0.2000	0.1070	3.7000	6.3000
10	6	1983	1145	9	38.9000	43.4000	2.5000	0.7000	1.2000	0.2000	0.1030	3.2000	5.5000
8	7	1983	1410	9	39.4000	43.9000	2.5000	0.7000	1.2000	0.2000	0.1040	3.3000	5.0000
10	8	1983	1120	9	37.8000	42.3000	2.3000	0.6000	1.1000	0.2000	0.1710	3.1000	4.5000
9	9	1983	1307	9	38.2000	42.4000	2.3000	0.6000	1.1000	0.2000	0.1150	3.1000	4.8000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AB0011 PACIFIC AND YUKON REGION
 LAKE LEBERGE, OUTLET

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
4	8	1982	1235	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	9	1982	1310	9	0.0010	6.0000	30.0000	4.0000	22.0000	0.0003	0.0001	0.0	0.0	0.0
24	2	1983	1300	9	0.0350	14.0000	53.0000	1.0000	32.0000	0.0002	0.0001	0.0	0.0	0.0
10	6	1983	1145	9	0.0160	3.0000	31.0000	2.0000	10.0000	0.0002	0.0001	0.0	0.0	0.0
8	7	1983	1410	9	0.8630	13.0000	73.0000	4.0000	52.0000	0.0002	0.0001	0.0	0.0	0.0
10	8	1983	1120	9	0.0080	2.0000	0.0	1.0000	0.0	0.0003	0.0001	0.0	0.0	0.0
9	8	1983	1307	9	0.1050	1.0000	103.0000	0.0	44.0000	0.0003	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTOB00011

PACIFIC AND YUKON REGION
 LAKE LEBERGE OUTLET

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MR-X	HG-X	N-TD	P-I	CVAN	TIC	TOC	MB-X
4	8	1982	1235	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	8	1982	1310	9		0.0	0.0	0.0	0.0	0.0770	0.0100	0.0	11.0000	1.7000	0.0
24	2	1983	1300	9		0.0	0.0	0.0	0.0	0.0860	0.0110	0.0	13.0000	2.1000	0.0
10	6	1983	1145	8		0.0	0.0	0.0	0.0	0.0560	0.0060	0.0	9.5000	1.9000	0.0
8	7	1983	1410	9		0.0	0.0	0.0	0.0	0.9570	0.0080	0.0	9.2000	1.9000	0.0
10	8	1983	1120	9		0.0	0.0	0.0	0.0	0.0760	0.0060	0.0	8.6000	0.8700	0.0
9	9	1983	1307	9		0.0	0.0	0.0	0.0	0.1840	0.0070	0.0	11.0000	0.8700	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09AB0011 LAKE LEBERGE OUTLET PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
4	8	1982	1235	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	9	1982	1310	9	0.0	0.0	0.0	0.0	0.0030	0.1600	0.0030	0.0100	0.0500	0.0010
24	2	1983	1300	9	0.0	0.0	0.0	0.0	0.0030	0.0440	0.0010	0.0100	0.0500	0.0010
10	6	1983	1145	9	0.0	0.0	0.0	0.0	0.0010	0.1100	0.0030	0.0100	0.0500	0.0010
8	7	1983	1410	9	0.0	0.0	0.0	0.0	0.0010	0.1800	0.0010	0.0100	0.0800	0.0010
10	8	1983	1120	9	0.0	0.0	0.0	0.0	0.0040	0.0080	0.0020	0.0100	0.0500	0.0010
9	9	1983	1307	9	0.0	0.0	0.0	0.0	0.0030	0.0320	0.0010	0.0100	0.0800	0.0020

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.12

00YT09AA0008 TAGISH RIVER AT BRIDGE

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND Employees mid stream from the d/s side of the Tagish Road bridge (21.0 km). The sample site is located 2879 km from the mouth of the Yukon River.	LAT 60°17'32"N LONG 134°18'00"W	660 m (2160 ft)	17,440 km ² (6,700 mi ²)	every 2 weeks	FIGURE 1 FIGURE 13 PLATE 25 PLATE 26 MAP 105 D/8

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (WSC 09AB001, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN												
MAXIMUM												
MINIMUM												

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982												
1983												

* - ICE CONDITIONS

A-220



PLATE 25 WATER QUALITY STATION 00YT09AA0008
LOOKING UPSTREAM TAGISH RIVER THROUGH THE TAGISH
HIGHWAY BRIDGE



PLATE 26 WATER QUALITY STATION 00YT09AA0008
LOOKING DOWNSTREAM TAGISH RIVER FROM SAMPLE
STATION ON THE TAGISH HIGHWAY BRIDGE

A-221

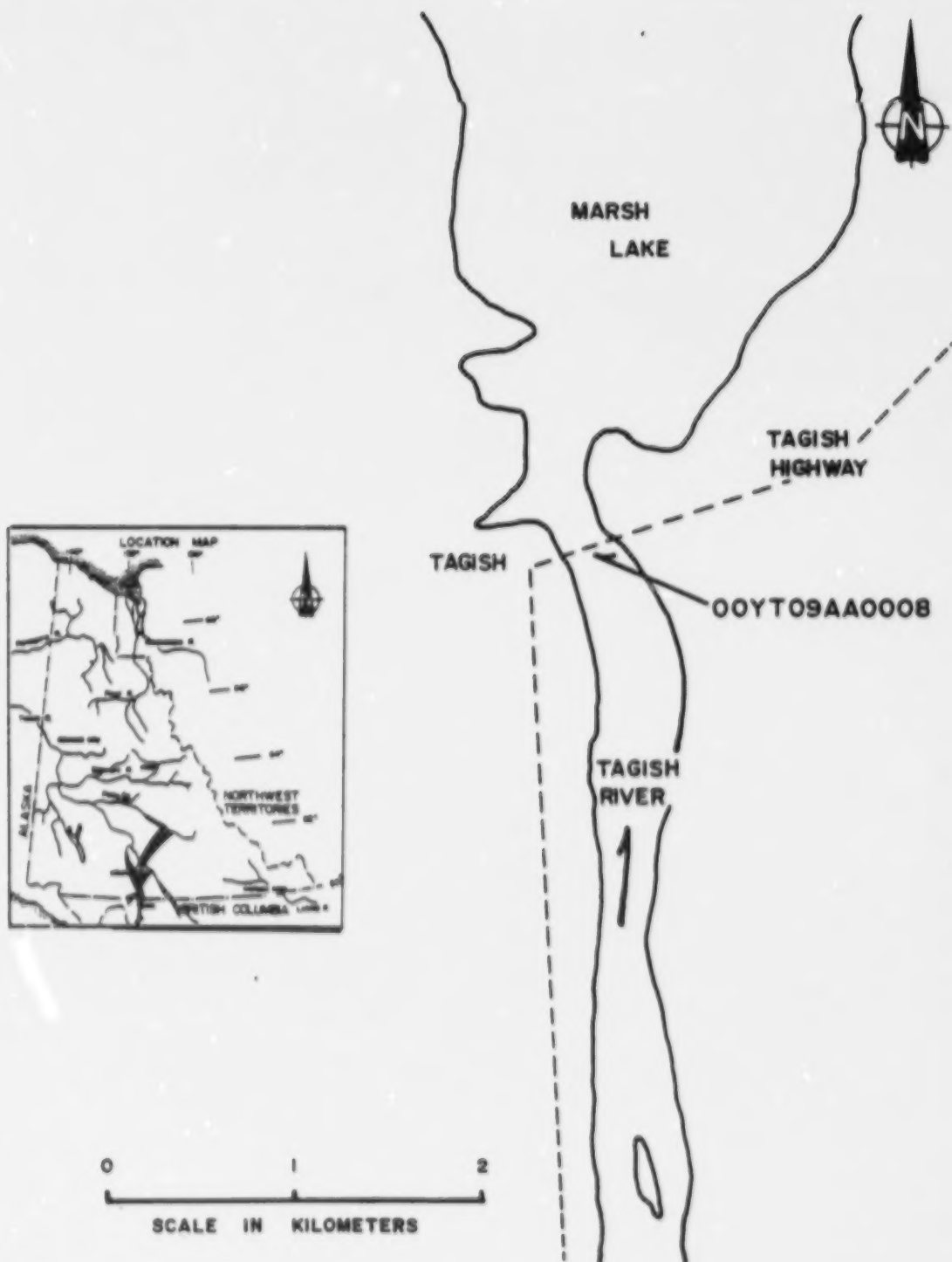


FIGURE 13 TAGISH RIVER AT TAGISH BRIDGE
WATER QUALITY STATION OOYT09AA0008

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AA0008

DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
26	7	1982	1509	5		0.0	16.0000	7.7000	0.0	21.9000	7.7000	81.8000	1.0000	5.0000	0.0
26	7	1982	1518	5		0.0	16.0000	7.7000	0.0	20.1000	7.7100	79.3000	1.4000	5.0000	0.0
26	7	1982	1527	5		0.0	16.0000	7.7000	0.0	20.5000	7.6100	80.9000	1.1000	5.0000	0.0
26	7	1982	1536	5		0.0	16.0000	7.7000	0.0	20.3000	7.7100	81.2000	1.2000	10.0000	0.0
2	8	1982	1120	9		3.0000	8.0000	0.0	0.0	22.0000	7.8200	81.6000	0.8600	5.0000	0.0
3	11	1982	1205	9		1.1000	2.6000	7.4000	48.0000	21.1000	7.8000	83.6000	0.2100	5.0000	0.0
12	1	1983	1130	9		-40.0000	0.1000	7.5000	41.0000	20.9000	7.7500	86.6000	0.2000	5.0000	0.0
11	3	1983	1322	9		5.0000	2.9000	7.3400	49.0000	21.2000	7.8000	82.4000	0.4000	5.0000	0.0
4	5	1983	1220	9		5.0000	4.9000	7.1000	0.0	20.6000	7.7500	88.4000	0.2000	5.0000	0.0
5	7	1983	1040	9		12.0000	13.3000	7.2000	0.0	20.2000	7.6500	83.5000	0.2500	5.0000	0.0
9	8	1983	1310	9		13.0000	12.0000	7.2000	60.0000	23.6000	7.5000	84.3000	0.3800	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER OQYT09AA0008
 PACIFIC AND YUKON REGION
 TAGISH RIVER AT BRIDGE

DD	MM	YEAR	HR	MIN	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SO4
26	7	1982	1509	5		35.4000	39.9000	12.3000	2.2000	0.5000	1.0000	0.2000	0.0500	2.8000	5.4000
26	7	1982	1518	5		35.3000	39.7000	12.1000	2.3000	0.5000	0.9000	0.2000	0.0500	2.7000	5.3000
26	7	1982	1527	5		34.8000	39.9000	12.4000	2.2000	0.5000	1.0000	0.2000	0.0500	2.7000	5.2000
26	7	1982	1536	5		34.8000	40.3000	12.4000	2.3000	0.5000	0.9000	0.2000	0.0630	2.7000	5.2000
2	9	1982	1120	9		35.2000	38.5000	12.0000	2.1000	0.5000	1.0000	0.2000	0.0600	2.5000	5.3000
3	11	1982	1205	9		35.7000	41.4000	12.2000	2.7000	0.7000	1.2000	0.2000	0.0700	2.6000	4.7000
12	1	1983	1130	9		36.9000	42.1000	13.1000	2.3000	0.7000	1.0000	0.2000	0.0890	2.8000	5.5000
11	3	1983	1322	9		35.9000	40.8000	12.9000	2.1000	0.6000	1.0000	0.2000	0.1080	3.0000	6.4000
4	5	1983	1220	9		37.1000	42.2000	13.2000	2.2000	0.6000	0.9000	0.2000	0.0880	3.0000	5.9000
5	7	1983	1040	9		34.8000	39.7000	12.3000	2.2000	0.5000	1.0000	0.2000	0.0910	2.7000	4.8000
9	8	1983	1310	9		34.5000	39.8000	12.4000	2.2000	0.6000	0.8000	0.2000	0.1330	2.5000	5.0000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AA0008
 PACIFIC AND YUKON REGION
 TAGISH RIVER AT BRIDGE

DD	MM	YEAR	HR	NN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
26	7	1982	1508	5		0.0040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1518	5		0.0020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1527	5		0.0410	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1536	5		0.0520	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	9	1982	1120	9		0.0160	7.0000	38.0000	4.0000	37.0000	0.0002	0.0001	0.0	0.0	0.0
3	11	1982	1205	9		0.0400	10.0000	122.0000	0.0	116.0000	0.0003	0.0001	0.0	0.0	0.0
12	1	1983	1130	9		0.2000	4.0000	142.0000	2.0000	126.0000	0.0003	0.0014	0.0	0.0	0.0
11	3	1983	1322	8		0.0310	5.0000	48.0000	2.0000	37.0000	0.0001	0.0001	0.0	0.0	0.0
4	5	1983	1220	9		0.0220	1.0000	172.0000	0.0	156.0000	0.0003	0.0001	0.0	0.0	0.0
5	7	1983	1040	9		0.0110	11.0000	46.0000	5.0000	41.0000	0.0003	0.0001	0.0	0.0	0.0
9	9	1983	1310	9		0.0160	3.0000	25.0000	1.0000	17.0000	0.0002	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08AA0008 TAGISH RIVER AT BRIDGE PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HQ-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
26	7	1982	1509	5		0.0	0.0	0.0	0.0	0.0430	0.0	0.0	0.0	0.0	0.0
26	7	1982	1518	5		0.0	0.0	0.0	0.0	0.0430	0.0	0.0	0.0	0.0	0.0
26	7	1982	1527	5		0.0	0.0	0.0	0.0	0.0020	0.0	0.0	0.0	0.0	0.0
26	7	1982	1536	5		0.0	0.0	0.0	0.0	0.0020	0.0	0.0	0.0	0.0	0.0
2	9	1982	1120	9		0.0	0.0	0.0	0.0	0.0680	0.0150	0.0	9.3000	12.0000	0.0
3	11	1982	1205	8		0.0	0.0	0.0	0.0	0.1820	0.0070	0.0	9.4000	0.5200	0.0
12	1	1983	1130	9		0.0	0.0	0.0	0.0	0.2470	0.0140	0.0	8.4000	3.4000	0.0
11	3	1983	1322	9		0.0	0.0	0.0	0.0	0.0700	0.0060	0.0	8.4000	1.5000	0.0
4	5	1983	1220	8		0.0	0.0	0.0	0.0	0.0450	0.0060	0.0	8.5000	1.7000	0.0
5	7	1983	1040	9		0.0	0.0	0.0	0.0	0.0900	0.0160	0.0	8.3000	2.0000	0.0
8	8	1983	1310	9		0.0	0.0	0.0	0.0	0.0610	0.0200	0.0	8.9000	1.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER O0YT09AA0008 TAGISH RIVER AT BRIDGE PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
26	7	1982	1509	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1518	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1527	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1536	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	8	1982	1120	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	11	1982	1205	9	0.0	0.0	0.0	0.0	0.0220	0.0800	0.0050	0.0100	0.0500	0.0010
12	1	1983	1130	9	0.0	0.0	0.0	0.0	0.0020	0.0100	0.0010	0.0100	0.0500	0.0020
11	3	1983	1322	9	0.0	0.0	0.0	0.0	0.0010	0.0030	0.0010	0.0100	0.0500	0.0060
4	5	1983	1220	9	0.0	0.0	0.0	0.0	0.0010	0.0030	0.0010	0.0100	0.0500	0.0020
5	7	1983	1040	9	0.0	0.0	0.0	0.0	0.0040	0.0020	0.0020	0.0100	0.0500	0.0020
8	8	1983	1310	9	0.0	0.0	0.0	0.0	0.0010	0.0350	0.0010	0.0100	0.0500	0.0220
					0.0	0.0	0.0	0.0	0.0020	0.1600	0.0020	0.0100	0.0500	0.0030

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.13

00YT09AA0009 BENNETT LAKE OUTLET

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees, mid stream from the Klondike Highway Bridge (106 km) at Carcross, Yukon. The sample site is located 2913 km from the mouth of the Yukon River.	LAT 60°09'50"N LONG 134°42'27"W	660 m (2160 ft)		every 2 months	FIGURE 1 FIGURE 14 PLATE 27 PLATE 28 MAP 105 D/2

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN												
MAXIMUM												
MINIMUM					NO INFORMATION AVAILABLE							

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982												
1983												

* - ICE CONDITIONS



PLATE 27 WATER QUALITY STATION 00YT09AA0009
LOOKING UPSTREAM THROUGH THE KLONDIKE HIGHWAY
BRIDGE TOWARDS CARCROSS



PLATE 28 WATER QUALITY STATION 00YT09AA0009
LOOKING DOWNSTREAM LAKE BENNETT OUTLET FROM
CARCROSS

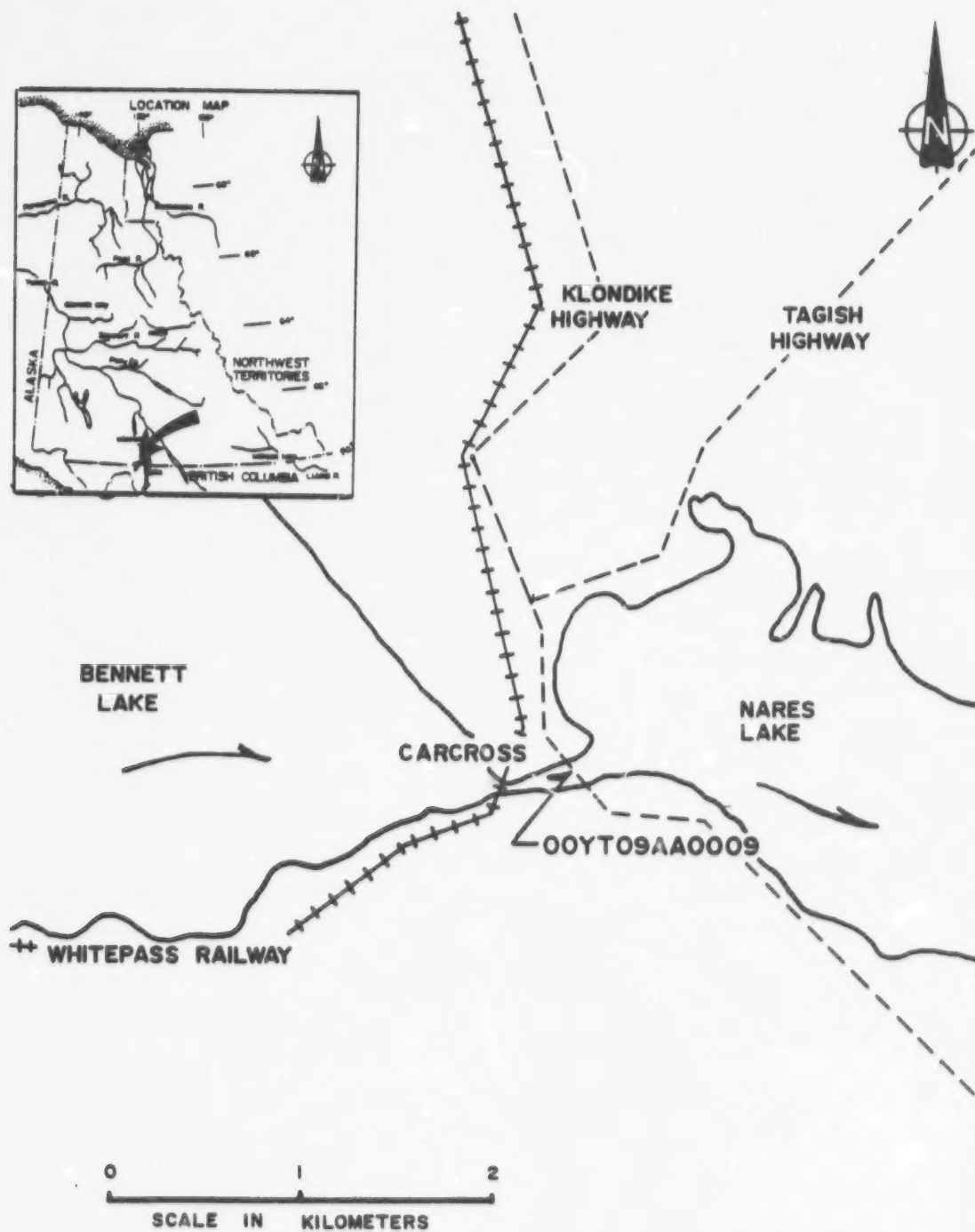


FIGURE 14 BENNETT LAKE OUTLET AT CARCROSS
WATER QUALITY STATION 00YT09AA0009

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09AA0009

REPORT
PENNITT LAKE OUTLET AT CARCROSS

PACIFIC AND YUKON REGION

DD MM YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
26	7	1982	1226	5	0.0	11.0000	7.8000	0.0	0.0	0.0	5.0000	0.0
26	7	1982	1234	5	0.0	11.0000	7.8000	0.0	0.0	0.0	10.0000	0.0
26	7	1982	1243	5	0.0	11.0000	7.8000	0.0	0.0	0.0	10.0000	0.0
2	8	1982	1030	9	3.0000	6.0000	0.0	21.7000	7.6500	57.6000	7.0000	0.0
3	11	1982	1050	9	1.1000	2.8000	7.6000	21.3000	7.7000	60.2000	5.0000	0.0
14	1	1983	1300	9	-26.0000	0.1000	7.4000	19.2000	7.6000	59.7000	5.0000	0.0
11	3	1983	1418	9	5.0000	1.9000	6.9000	21.0000	7.6500	62.7000	5.0000	0.0
4	8	1983	1500	9	3.0000	4.1000	7.2500	20.4000	7.5500	65.7000	5.0000	0.0
5	7	1983	1000	9	10.0000	10.6000	7.4000	20.0000	7.5000	62.9000	5.0000	0.0
9	9	1983	1135	9	15.0000	11.0000	7.0000	23.4000	7.2000	63.0000	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YT05A0008

DD	MM	YEAR	HR	MIN	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
26	7	1982	1226	5	26.1000	30.1000	9.9800	0.0	0.5000	1.1000	0.2000	0.1250	4.0000	4.8000	
26	7	1982	1234	5	25.3000	30.0000	9.1100	0.0	0.5000	1.1000	0.2000	0.1320	3.8000	4.7000	
26	7	1982	1243	5	24.4000	28.8000	9.1100	0.0	0.4000	1.1000	0.2000	0.1310	3.8000	4.6000	
2	8	1982	1030	8	22.5000	26.6000	9.1100	0.9300	0.4000	1.1000	0.2000	0.1300	3.6000	4.1000	
3	11	1982	1050	9	24.0000	27.6000	8.7900	1.4000	0.4000	1.1000	0.2000	0.1700	3.6000	4.0000	
14	1	1983	1300	9	23.7000	28.7000	9.3500	1.3000	0.5000	1.1000	0.3000	0.1930	3.8000	4.1000	
11	3	1983	1418	9	24.6000	28.9000	9.3000	1.4000	0.4000	1.0000	0.2000	0.1900	3.7000	4.5000	
4	5	1983	1500	9	25.6000	30.8000	9.9700	1.4000	0.5000	1.1000	0.2000	0.1870	3.8000	4.9000	
5	7	1983	1000	9	24.5000	28.8000	9.1500	1.4000	0.3000	1.1000	0.2000	0.1850	3.8000	4.2000	
9	9	1983	1135	9	23.7000	28.4000	9.2000	1.3000	0.4000	1.0000	0.2000	0.2950	3.6000	4.2000	

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTOBAA0000S BENNETT LAKE OUTLET AT CARCROSS PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RHFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
26	7	1982	1226	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1234	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1243	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	8	1982	1030	9	0.0530	7.0000	12.0000	10.0000	0.0	0.0002	0.0001	0.0	0.0	0.0
3	11	1982	1050	9	0.0500	0.0	102.0000	0.0	86.0000	0.0023	0.0001	0.0	0.0	0.0
14	1	1983	1300	8	0.0650	2.0000	72.0000	2.0000	48.0000	0.0002	0.0001	0.0	0.0	0.0
11	3	1983	1416	8	0.0630	1.0000	47.0000	0.0	37.0000	0.0001	0.0001	0.0	0.0	0.0
4	5	1983	1500	8	0.0530	6.0000	167.0000	2.0000	117.0000	0.0005	0.0001	0.0	0.0	0.0
5	7	1983	1000	8	0.0650	20.0000	38.0000	5.0000	31.0000	0.0001	0.0001	0.0	0.0	0.0
8	8	1983	1135	8	0.1150	17.0000	50.0000	13.0000	21.0000	0.0003	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 28, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AAC009 BENNETT LAKE OUTLET AT CARCROSS PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
26	7	1982	1226	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1234	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1243	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	9	1982	1030	8	0.0	0.0	0.0	0.0	0.1030	0.0080	0.0	5.6000	0.5200	0.0
3	11	1982	1050	8	0.0	0.0	0.0	0.0	0.1130	0.0040	0.0	6.3000	1.0000	0.0
14	1	1983	1300	9	0.0	0.0	0.0	0.0	0.0940	0.0050	0.0	5.0000	3.6000	0.0
11	3	1983	1418	9	0.0	0.0	0.0	0.0	0.0870	0.0260	0.0	7.5000	0.6000	0.0
4	5	1983	1500	9	0.0	0.0	0.0	0.0	0.0750	0.0040	0.0	5.8000	1.7000	0.0
5	7	1983	1000	9	0.0	0.0	0.0	0.0	0.1820	0.0300	0.0	5.7000	0.5200	0.0
9	9	1983	1135	9	0.0	0.0	0.0	0.0	0.1530	0.0360	0.0	6.6000	0.7200	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09A0009

REPORT
BENNETT LAKE OUTLET AT CARCROSS

PACIFIC AND YUKON REGION

DO	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
26	7	1982	1226	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1234	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	7	1982	1243	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	8	1982	1030	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	11	1982	1050	9		0.0	0.0	0.0	0.0	0.0070	0.0400	0.0060	0.0100	0.0500	0.0080
14	1	1983	1300	9		0.0	0.0	0.0	0.0	0.0040	0.0260	0.0030	0.0100	0.0500	0.0020
11	3	1983	1418	9		0.0	0.0	0.0	0.0	0.0010	0.0020	0.0010	0.0100	0.0500	0.0030
4	5	1983	1500	9		0.0	0.0	0.0	0.0	0.0010	0.0250	0.0010	0.0100	0.0500	0.0010
5	7	1983	1000	9		0.0	0.0	0.0	0.0	0.0050	0.0530	0.0030	0.0100	0.0500	0.0030
9	8	1983	1135	9		0.0	0.0	0.0	0.0	0.0010	0.2100	0.0020	0.0100	0.0500	0.0030
						0.0	0.0	0.0	0.0	0.0050	0.4000	0.0010	0.0200	0.0500	0.0080

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees midstream from the Alaska Highway bridge (km 1345) at Johnsons Crossing. The sample site is located 2826 km from the Yukon River and 64 km from Teslin.	LAT 60°29'04"N LONG 133°18'07"W	716 m (2350 ft)	30,300 km ² (11,698 mi ²)	every 2 weeks	FIGURE 1 FIGURE 15 PLATE 29 PLATE 30 MAP 105 C/6

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1944 - 1982 (WSC 09AE001 ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	95.6*	82.0*	77.8*	74.4	242	884	723	419	332	307	208	132*
MAXIMUM	169*	137	119*	113	405	1420	1320	637	687	494	346	198*
MINIMUM	44.5*	41.8*	43.5*	48.7	94.6	394	319	191	158	123	87.6	49.0*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									215	199	152	101*
1983	*	*	*									

* - ICE CONDITIONS



PLATE 29 WATER QUALITY STATION 00YT09AE0001
LOOKING DOWNSTREAM TESLIN RIVER THROUGH THE
ALASKA HIGHWAY BRIDGE AT JOHNSONS CROSSING



PLATE 30 WATER QUALITY STATION 00YT09AE0001
LOOKING UPSTREAM THROUGH ALASKA HIGHWAY
BRIDGE AT JOHNSONS CROSSING

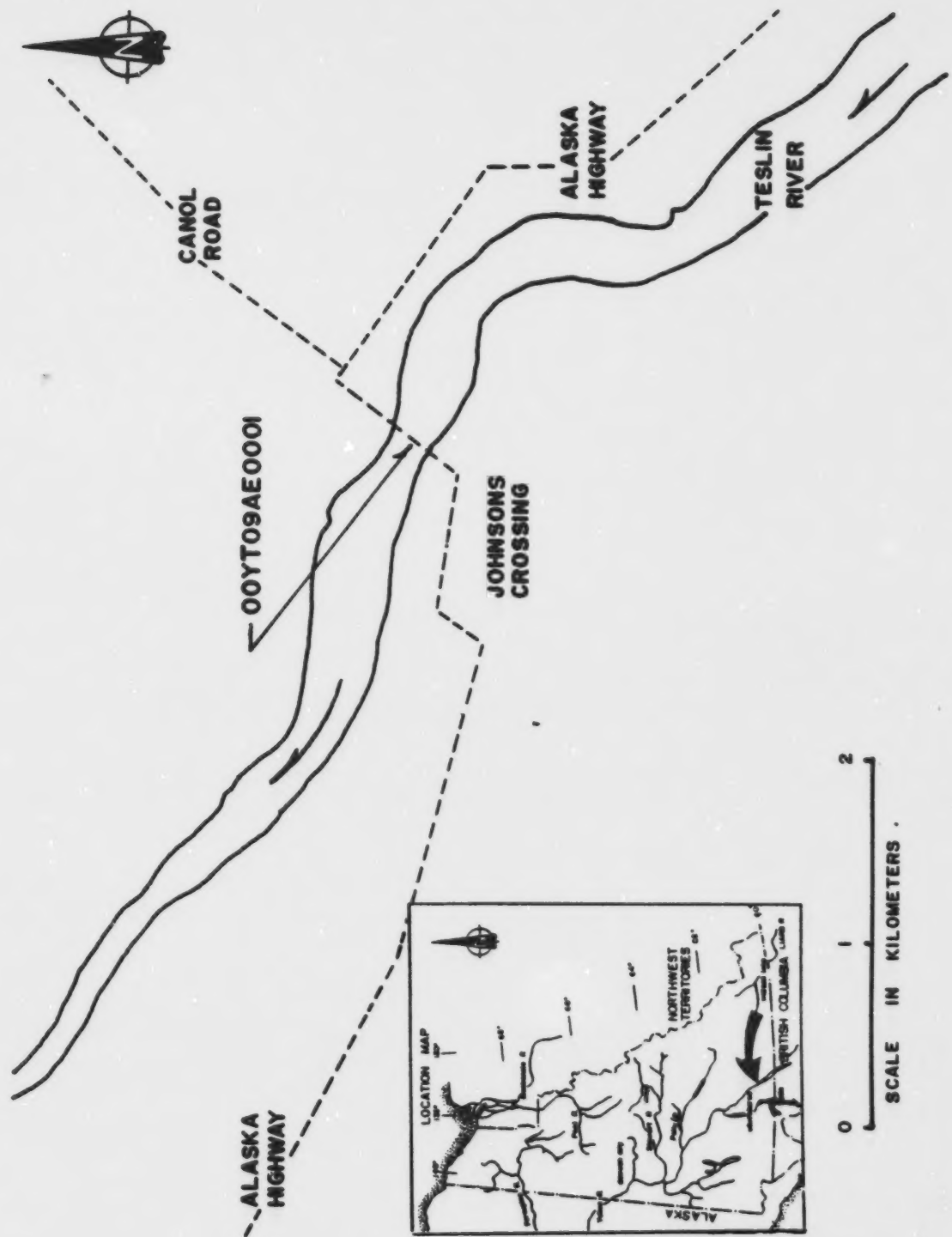


FIGURE 15 TESLIN LAKE OUTLET AT JOHNSONS CROSSING
WATER QUALITY STATION 00YT09AE0001

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTOBAE0001
 TESLIN LAKE OUTLET AT JOHNSON CROSSING

DD MM	YEAR	HR	MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
28	7	1982	1245	5	0.0	16.0000	7.9000	0.0	20.0000	7.7900	113.0000	1.1000	15.0000	0.0
28	7	1982	1254	5	0.0	16.0000	7.9000	0.0	20.0000	7.5900	118.0000	1.4000	15.0000	0.0
28	7	1982	1305	5	0.0	16.0000	7.9000	0.0	21.1000	7.6900	115.0000	1.4000	20.0000	0.0
28	7	1982	1314	5	0.0	16.0000	7.9000	0.0	20.6000	7.6100	118.0000	1.7000	15.0000	0.0
2	9	1982	1230	9	5.0000	7.0000	0.0	0.0	21.5000	7.9800	119.8000	0.9600	18.0000	0.0
3	11	1982	1405	9	0.8000	2.8000	7.8000	70.0000	21.1000	7.8000	122.0000	0.2800	10.0000	0.0
12	1	1983	1300	9	-34.5000	0.1000	7.2000	67.0000	20.8000	8.0000	125.0000	0.2200	15.0000	0.0
11	3	1983	1208	9	4.0000	2.7000	7.5000	73.0000	20.7000	8.0000	125.0000	0.3500	5.0000	0.0
4	5	1983	1100	9	5.0000	3.1000	7.1000	0.0	21.2000	7.8500	127.0000	0.2100	15.0000	0.0
5	7	1983	1140	9	13.0000	14.8000	7.5000	0.0	19.3000	7.6500	131.0000	0.3800	10.0000	0.0
9	9	1983	1510	9	11.0000	13.0000	7.2000	90.0000	23.5000	7.6000	131.0000	0.4800	10.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00Y09AE0001

PACIFIC AND YUKON REGION
TESLIN LAKE OUTLET AT JOHNSON CROSSING

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
28	7	1982	1245	5	51.1000	56.1000	15.7000	4.1000	0.6000	1.4000	0.3000	0.0500	6.2000	4.7000
28	7	1982	1254	5	53.1000	56.7000	15.8000	4.2000	1.0000	1.7000	0.9000	0.0500	6.2000	4.7000
28	7	1982	1305	5	51.7000	57.1000	15.8000	4.3000	0.6000	1.4000	0.5000	0.0050	6.2000	4.8000
28	7	1982	1314	5	52.6000	57.1000	15.8000	2.4000	0.8000	1.6000	0.8000	0.0050	6.2000	4.7000
2	9	1982	1230	9	55.8000	62.1000	16.6000	5.0000	0.6000	1.5000	0.2000	0.0700	6.4000	5.2000
3	11	1982	1405	9	57.1000	61.1000	17.0000	4.5000	0.9000	1.5000	0.2000	0.0800	6.7000	4.3000
12	1	1983	1300	9	59.9000	64.8000	18.4000	4.6000	0.6000	1.5000	0.3000	0.1070	7.0000	4.9000
11	3	1983	1209	9	61.3000	66.6000	19.4000	4.4000	0.7000	1.6000	0.3000	0.1100	7.0000	5.4000
4	5	1983	1100	9	59.6000	64.6000	18.7000	4.3000	0.7000	1.7000	0.3000	0.1100	6.9000	6.8000
5	7	1983	1140	9	59.7000	65.9000	19.0000	4.5000	0.5000	1.3000	0.3000	0.0890	6.5000	5.6000
9	9	1983	1510	9	58.3000	65.0000	18.2000	4.7000	0.6000	1.4000	0.2000	0.1730	6.2000	5.9000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
 REPORT FOR STATION NUMBER 00YT09AE0001

REPORT
 TESLIN LAKE OUTLET AT JOHNSON CROSSING

DD MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
28	7	1982	1245	5	0.0040	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1982	1254	5	0.0190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1982	1305	5	0.0120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1982	1314	5	0.0200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	8	1982	1230	9	0.0030	2.0000	0.0	41.0000	0.0002	0.0001	0.0	0.0	0.0
3	11	1982	1405	9	0.0340	2.0000	0.0	164.0000	0.0002	0.0001	0.0	0.0	0.0
12	1	1983	1300	9	0.0530	14.0000	8.0000	86.0000	0.0003	0.0002	0.0	0.0	0.0
11	3	1983	1209	9	0.0560	2.0000	1.0000	48.0000	0.0001	0.0001	0.0	0.0	0.0
4	5	1983	1100	9	0.0710	12.0000	10.0000	17.0000	0.0004	0.0001	0.0	0.0	0.0
5	7	1983	1140	9	0.0020	13.0000	7.0000	157.0000	0.0003	0.0001	0.0	0.0	0.0
9	9	1983	1510	9	0.0460	4.0000	3.0000	52.0000	0.0002	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09AE0001 TESLIN LAKE OUTLET AT JOHNSON CROSSING

DD MM YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
28	7	1982	1245	5	0.0	0.0	0.1150	0.0	0.0	0.0	0.0	0.0
28	7	1982	1254	5	0.0	0.0	0.6760	0.0	0.0	0.0	0.0	0.0
28	7	1982	1305	5	0.0	0.0	0.4020	0.0	0.0	0.0	0.0	0.0
28	7	1982	1314	5	0.0	0.0	0.0495	0.0	0.0	0.0	0.0	0.0
2	9	1982	1230	9	0.0	0.0	0.1480	0.0320	0.0	14.0000	3.5000	0.0
3	11	1982	1405	9	0.0	0.0	0.1470	0.0110	0.0	15.0000	3.8000	0.0
12	1	1983	1300	8	0.0	0.0	0.1580	0.0090	0.0	14.0000	6.7000	0.0
11	3	1983	1209	9	0.0	0.0	0.1460	0.0070	0.0	16.0000	4.1000	0.0
4	5	1983	1100	9	0.0	0.0	0.1780	0.0110	0.0	14.0000	4.9000	0.0
5	7	1983	1140	9	0.0	0.0	0.1610	0.0100	0.0	16.0000	3.8000	0.0
9	9	1983	1510	9	0.0	0.0	0.1800	0.1130	0.0	15.0000	4.2000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09AE0001 TESLIN LAKE OUTLET AT JOHNSON CROSSING PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
28	7	1982	1245	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1982	1254	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1982	1305	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	7	1982	1314	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	8	1982	1230	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	11	1982	1405	9		0.0	0.0	0.0	0.0	0.0110	0.2000	0.0030	0.0100	0.0500	0.0050
12	1	1983	1300	9		0.0	0.0	0.0	0.0	0.0000	0.0800	0.0020	0.0100	0.0500	0.0040
11	3	1983	1208	9		0.0	0.0	0.0	0.0	0.0030	0.0500	0.0030	0.0100	0.0500	0.0120
4	5	1983	1100	9		0.0	0.0	0.0	0.0	0.0030	0.0500	0.0060	0.0100	0.0500	0.0020
5	7	1983	1140	9		0.0	0.0	0.0	0.0	0.0070	0.0700	0.0040	0.0100	0.0500	0.0260
9	9	1983	1510	9		0.0	0.0	0.0	0.0	0.0030	0.0700	0.0010	0.0100	0.0500	0.0020
						0.0	0.0	0.0	0.0	0.0010	0.0700	0.0010	0.0100	0.0500	0.0010

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.15

00BC09AA0004 ATLIN LAKE OUTLET

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by a lay sampler, midstream from the headwaters of the Atlin River at Atlin Lake outlet. The sample site is located 2916 km from the mouth of the Yukon River.	LAT 59°35'37"N LONG 133°48'48"W	670 m (2197 ft)	6,810 km ² (2,629 mi ²)	every 2 weeks	FIGURE 1 FIGURE 16 PLATE 31 PLATE 32 MAP 104 N 12W

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1950 - 1982 (WSC 09AA006, ENVIRONMENT CANADA, 1983a)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	54.9	44.1	35.5	28.9	31.8	65.1	130	202	200	150	102	72.5
MAXIMUM	70.9	57.0	45.9	38.3	46.3	95.7	167	270	286	205	129	94.8
MINIMUM	38.1	30.4	25.5	28.3	22.3	32.3	84.5	143	135	96.3	64.9	49.8

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983a)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									215	164	110	81.5
1983												

* - ICE CONDITIONS

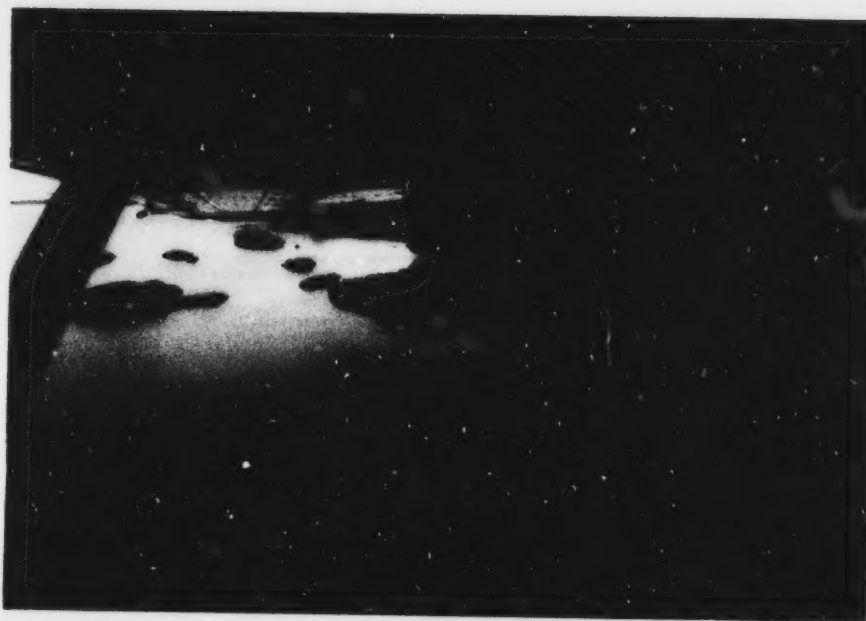


PLATE 31 WATER QUALITY STATION 00BC09AA0004
LOOKING SOUTH FROM ABOVE ATLIN LAKE AT ITS
OUTLET TO ATLIN RIVER



PLATE 32 WATER QUALITY STATION 00BC09AA0004
LOOKING UPSTREAM ATLIN RIVER AT THE OUTLET
OF ATLIN LAKE

A-245

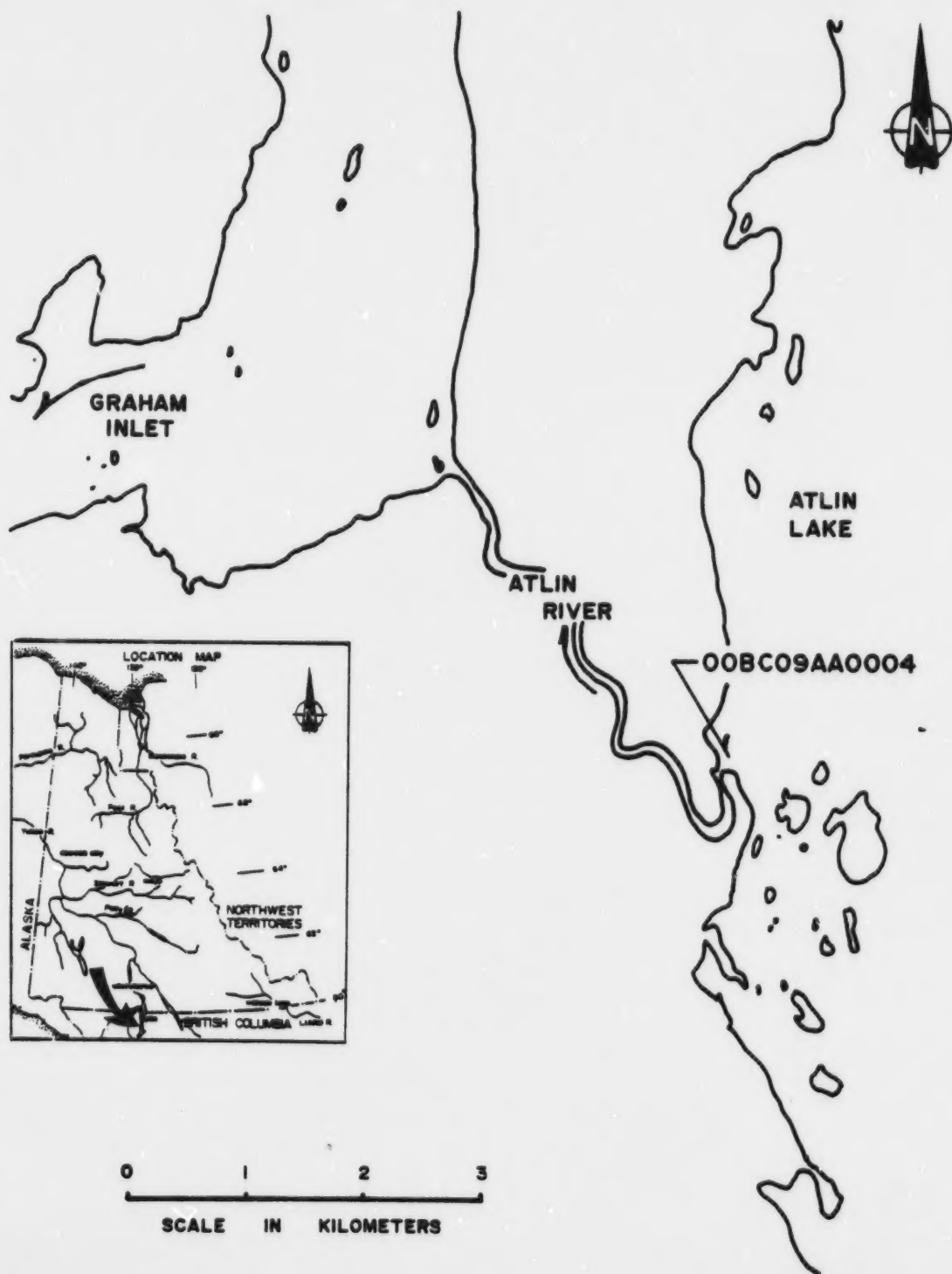


**FIGURE 16 ATLIN LAKE OUTLET
WATER QUALITY STATION 00BC09AA0004**

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AA0004 ATLIN LAKE OUTLET PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F*	T-WL	PH-L	SC-L	TURB	COLR	ALKP
27	7	1982	1402	5	0.0	11.0000	8.1000	0.0	20.7000	7.8000	102.0000	0.6000	5.0000	0.0
27	7	1982	1409	5	0.0	11.0000	8.1000	0.0	20.1000	7.8100	100.0000	1.6000	5.0000	0.0
27	7	1982	1416	5	0.0	11.0000	8.1000	0.0	20.8000	7.8100	102.0000	1.6000	5.0000	0.0
28	10	1982	1050	9	-14.0000	15.0000	8.3000	0.0	20.8000	7.8700	103.2000	0.2400	3.0000	0.0
27	1	1983	1615	9	-14.0000	0.0	7.4000	0.0	21.8000	7.8000	113.0000	0.1300	5.0000	0.0
12	6	1983	1400	9	17.0000	0.0	7.8000	0.0	20.9000	7.7000	104.0000	0.1000	5.0000	0.0
17	8	1983	935	9	8.0000	11.0000	7.4000	70.0000	23.7000	7.5000	104.0000	0.2200	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09A0004

PACIFIC AND YUKON REGION
 ATLIN LAKE OUTLET

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SO4
27	7	1982	1402	5	46.0000	50.8000	15.4000	3.0000	0.6000	1.0000	0.2000	0.0500	2.3000	5.8000
27	7	1982	1408	5	46.1000	52.2000	15.1000	3.5000	0.5000	1.0000	0.2000	0.0500	2.3000	5.8000
27	7	1982	1416	5	45.2000	50.8000	15.0000	3.2000	0.7000	1.0000	0.3000	0.0500	2.3000	5.8000
28	10	1982	1050	9	45.9000	51.6000	15.4000	3.2000	0.5000	1.0000	0.2000	0.0600	2.2000	5.4000
27	1	1983	1615	9	49.2000	55.4000	16.9000	3.2000	0.7000	1.1000	0.2000	0.0900	2.6000	5.5000
12	6	1983	1400	9	45.1000	49.9000	14.7000	3.2000	0.6000	1.0000	0.2000	0.1050	2.3000	5.6000
17	8	1983	935	9	44.7000	50.9000	15.1000	3.2000	0.7000	1.0000	0.2000	0.1480	2.2000	5.7000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09A00004 ATLIN LAKE OUTLE, PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
27	7	1982	1402	5	0.0020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	7	1982	1409	5	0.0030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	7	1982	1416	5	0.0020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	10	1982	1050	9	0.0570	0.0	0.0	0.0	0.0002	0.0001	0.0001	0.0	0.0	0.0
27	1	1983	1615	9	0.0840	2.0000	76.0000	16.0000	0.0001	0.0001	0.0001	0.0	0.0	0.0
12	6	1983	1400	9	0.0460	11.0000	71.0000	48.0000	0.0002	0.0001	0.0001	0.0	0.0	0.0
17	8	1983	935	9	0.0720	5.0000	37.0000	25.0000	0.0001	0.0001	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT09AA00004

PACIFIC AND YUKON REGION
 ATLIN LAKE OUTLET

DD	MM	YEAR	HR	NN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
27	7	1982	1402	5		0.0	0.0	0.0	0.0	0.0360	0.0	0.0	0.0	0.0	0.0
27	7	1982	1408	5		0.0	0.0	0.0	0.0	0.0330	0.0	0.0	0.0	0.0	0.0
27	7	1982	1416	5		0.0	0.0	0.0	0.0	0.0310	0.0	0.0	0.0	0.0	0.0
28	10	1982	1050	9		0.0	0.0	0.0	0.0	0.1220	0.0020	0.0	6.6000	7.2000	0.0
27	1	1983	1615	9		0.0	0.0	0.0	0.0	0.2080	0.1280	0.0	15.0000	3.4000	0.0
12	6	1983	1400	9		0.0	0.0	0.0	0.0	0.1170	0.1270	0.0	11.0000	1.3000	0.0
17	8	1983	935	9		0.0	0.0	0.0	0.0	0.0850	0.0100	0.0	11.0000	0.6000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AA0004 PACIFIC AND YUKON REGION
 ATLIN LAKE OUTLET

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
27	7	1982	1402	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	7	1982	1409	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	7	1982	1416	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	10	1982	1050	9		0.0	0.0	0.0	0.0005	0.0	0.0	0.0	0.0	0.0	0.0
27	1	1983	1615	9		0.0	0.0	0.0	0.0	0.0010	0.0290	0.0010	0.0100	0.0500	0.0080
12	6	1983	1400	9		0.0	0.0	0.0	0.0	0.0040	0.0030	0.0010	0.0100	0.0500	0.0010
17	8	1983	935	9		0.0	0.0	0.0	0.0	0.0010	0.0250	0.0020	0.0100	0.0500	0.0110
						0.0	0.0	0.0	0.0	0.0040	0.0310	0.0010	0.0100	0.0500	0.0030

DATA ON FILE AS OF 12:25 P.M. NOV. 28, 1983

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees from the left bank at the head waters of Kluane River from Kluane Lake. The sample site is located 2600 km from the mouth of the Yukon River.	LAT 61°25'37"N LONG 139°02'56"W	290 m (2600 ft)	4,950 km ² (1,910 MI ²)	every 2	FIGURE 1 FIGURE 17 PLATE 33 PLATE 34 MAP 115 G/6

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (WSC 09CA002, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	12.1*	11.39*	11.8*	13.0*	22.1	80.6	191	241	167	80.4	36.5	16.9*
MAXIMUM	22.0*	23.8*	20.4*	21.5*	35.7	143	258	310	234	120	56.6	33.4
MINIMUM	2.39*	0.649*	0.637*	1.18*	6.97	33.9	122	112	69.0	32.7	12.5	5.21

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982	*	*	*	*	*	*	*	*	187	91.5	42.3	18.9*
1983	*	*	*	*	*	*	*	*	*	*	*	*

* - ICE CONDITIONS



PLATE 33 WATER QUALITY STATION 00YT09CA0005
LOOKING DOWNSTREAM KLUANE RIVER FROM THE RIGHT
BANK



PLATE 34 WATER QUALITY STATION 00YT09CA0005
LOOKING UPSTREAM KLUANE RIVER AT KLUANE
LAKE OUTLET SAMPLE STATION

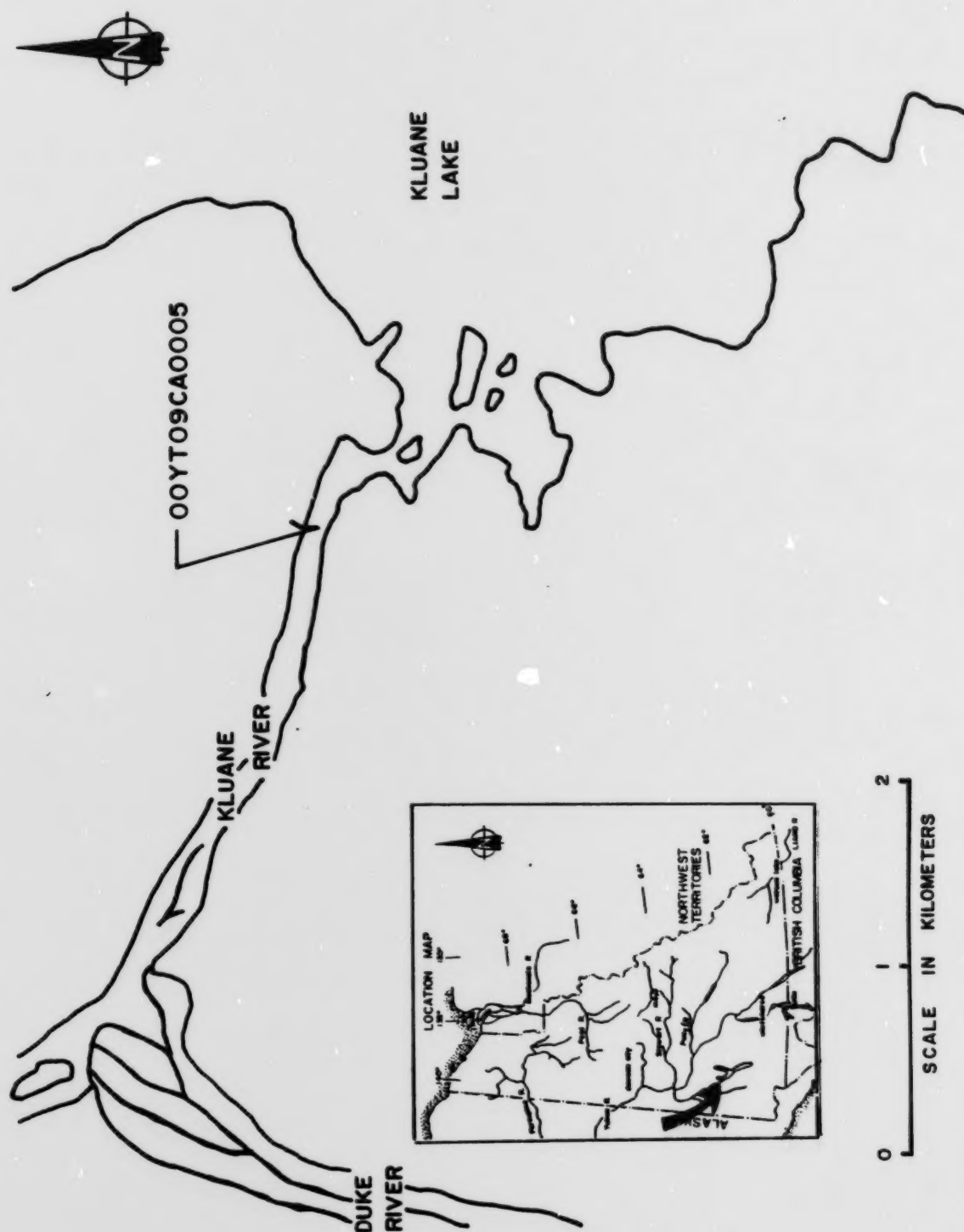


FIGURE 17 KLUANE LAKE OUTLET
WATER QUALITY STATION 00YT09CA0005

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09CA0005

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
21	7	1982	1400	5	0.0	13.0000	8.1000	0.0	20.0000	8.1000	226.0000	2.0000	10.0000	0.0
21	7	1982	1410	5	0.0	13.0000	8.1000	0.0	20.9000	8.0000	225.0000	1.8000	10.0000	0.0
16	9	1982	1320	9	14.0000	7.0000	8.2000	0.0	21.6000	8.0000	230.7000	5.5500	5.0000	0.0
17	11	1982	1440	9	-12.0000	0.1000	8.0000	128.0000	21.4000	8.0000	255.0000	0.2000	5.0000	0.0
5	1	1983	1510	9	-16.2000	1.1000	7.9000	143.0000	20.2000	8.0500	276.0000	0.2200	5.0000	0.0
9	3	1983	1547	9	-15.0000	0.4000	7.5000	168.0000	20.8000	8.1500	287.0000	0.6700	5.0000	0.0
19	5	1983	1645	9	14.0000	9.2000	8.1000	168.0000	22.3000	8.1000	231.0000	0.4300	10.0000	0.0
15	7	1983	910	9	13.4000	11.9000	7.6000	170.0000	22.7000	7.9000	232.0000	0.4200	5.0000	0.0
15	9	1983	1015	9	5.3000	6.8000	7.8000	149.0000	22.4000	7.8500	236.0000	0.2000	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT09CA0005

PACIFIC AND YUKON REGION
 KLUANE LAKE OUTLET

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	S04
21	7	1982	1400	5	78.3000	115.9000	32.9000	8.2000	2.1000	2.1000	0.3000	0.0500	3.2000	38.0000
21	7	1982	1410	5	76.7000	110.3000	31.8000	7.5000	2.1000	2.1000	0.3000	0.0500	3.3000	36.0000
16	9	1982	1320	9	78.8000	117.6000	33.8000	8.1000	2.4000	2.2000	0.5000	0.0900	3.0000	41.0000
17	11	1982	1440	9	89.3000	129.9000	37.6000	8.8000	1.3000	1.3000	0.4000	0.0800	3.6000	43.0000
5	1	1983	1510	9	97.1000	142.0000	41.0000	9.6000	2.6000	2.5000	0.5000	0.1060	4.2000	48.0000
9	3	1983	1547	9	98.6000	145.0000	42.3000	9.6000	2.9000	2.6000	0.6000	0.1080	4.0000	48.5000
19	5	1983	1645	9	78.9000	113.0000	32.2000	7.9000	2.2000	2.0000	0.4000	0.1170	3.2000	46.5000
15	7	1983	910	9	79.1000	117.0000	33.7000	8.0000	2.3000	2.2000	0.4000	0.1550	5.0000	41.5000
15	9	1983	1015	9	79.2000	116.0000	33.3000	8.0000	2.3000	2.0000	0.4000	0.1000	3.8000	36.0000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09CA0005 KLUANE LAKE OUTLET PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
21	7	1982	1400	5	0.0020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	7	1982	1410	5	0.0020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	9	1982	1320	9	0.0400	24.0000	144.0000	18.0000	130.0000	0.0005	0.0004	0.0	0.0	0.0
17	11	1982	1440	9	0.0150	0.0	160.0000	0.0	108.0000	0.0004	0.0005	0.0	0.0	0.0
5	1	1983	1510	9	0.0260	2.0000	276.0000	0.0	260.0000	0.0002	0.0008	0.0	0.0	0.0
9	3	1983	1547	9	0.0430	17.0000	173.0000	4.0000	155.0000	0.0003	0.0003	0.0	0.0	0.0
19	5	1983	1645	9	0.0150	0.0	292.0000	0.0	175.0000	0.0001	0.0008	0.0	0.0	0.0
15	7	1983	910	9	0.0040	13.0000	130.0000	6.0000	71.0000	0.0003	0.0005	0.0	0.0	0.0
15	9	1983	1015	9	0.0180	2.0000	174.0000	2.0000	81.0000	0.0003	0.0005	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT0SCA0005 KLUANE LAKE OUTLET PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P -T	CYAN	TIC	TDC	MB-X
21	7	1982	1400	5		0.0	0.0	0.0	0.0	0.0480	0.0	0.0	0.0	0.0	0.0
21	7	1982	1410	5		0.0	0.0	0.0	0.0	0.0680	0.0	0.0	0.0	0.0	0.0
16	8	1982	1320	9		0.0	0.0	0.0	0.0	0.4410	0.0440	0.0	20.0000	3.7000	0.0
17	11	1982	1440	9		0.0	0.0	0.0	0.0	0.0620	0.0090	0.0	21.0000	2.0000	0.0
5	1	1983	1510	9		0.0	0.0	0.0	0.0	0.0820	0.0080	0.0	24.0000	3.6000	0.0
9	3	1983	1547	9		0.0	0.0	0.0	0.0	0.1020	0.0110	0.0	26.0000	2.7000	0.0
19	5	1983	1645	9		0.0	0.0	0.0	0.0	0.1060	0.0090	0.0	20.0000	2.8000	0.0
15	7	1983	910	9		0.0	0.0	0.0	0.0	0.0570	0.0240	0.0	20.0000	1.3000	0.0
15	9	1983	1015	9		0.0	0.0	0.0	0.0	0.1440	0.0100	0.0	20.0000	2.1000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT09CA0005

PACIFIC AND YUKON REGION
 KLUJANE LAKE OUTLET

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
21	7	1982	1400	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	7	1982	1410	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	9	1982	1320	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	11	1982	1440	9	0.0	0.0	0.0	0.0	0.0060	1.3000	0.0090	0.0300	0.0500	0.0080
5	1	1983	1510	9	0.0	0.0	0.0	0.0	0.0010	0.0800	0.0010	0.0100	0.0500	0.0200
9	3	1983	1547	9	0.0	0.0	0.0	0.0	0.0010	0.0270	0.0010	0.0100	0.0500	0.0020
19	5	1983	1645	9	0.0	0.0	0.0	0.0	0.0020	0.4300	0.0020	0.0100	0.0800	0.0300
15	7	1983	910	9	0.0	0.0	0.0	0.0	0.0010	0.1200	0.0010	0.0100	0.0500	0.0010
15	9	1983	1015	9	0.0	0.0	0.0	0.0	0.0030	0.2700	0.0010	0.0100	0.0500	0.0010
					0.0	0.0	0.0	0.0	0.0040	0.0800	0.0020	0.0100	0.0500	0.0040

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.17

00YT09CD0001 YUKON RIVER UPSTREAM OF WHITE RIVER

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees mid stream Yukon River, 100 m upstream of the confluence with the White River. The sample site is located 2217 km from the mouth of the Yukon River.	LAT 63°08'59"N LONG 139°33'09"W	430 m (1400 ft)	150,000 km ² (57,900 mi ²)	once a season	FIGURE 1 FIGURE 18 PLATE 35 PLATE 36 MAP 115 0/4

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1956 - 1982 (WSC 09CD001, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	390*	348*	317*	325*	1394*	3180	2520	1900	1590	1250	720*	469*
MAXIMUM	566*	481*	425*	433*	2270*	6080	3710	2250	2240	1730	1040*	680*
MINIMUM	274*	244*	237*	237*	693*	1950	1390	1390	1060	759	473*	318*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									1160	1030	619*	425*
1983												

* - ICE CONDITIONS

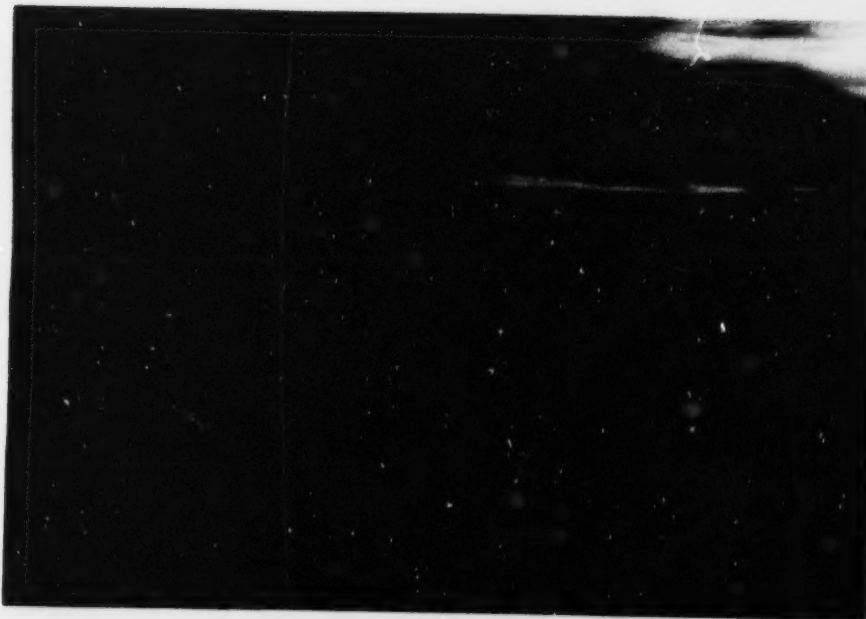


PLATE 35 WATER QUALITY STATION 00YT09CD0001
LOOKING UPSTREAM YUKON RIVER AT SAMPLE STATION
ABOVE ITS CONFLUENCE WITH THE WHITE RIVER



PLATE 36 WATER QUALITY STATION 00YT09CD0001
LOOKING DOWNSTREAM YUKON RIVER AT THE CONFLUENCE
OF THE WHITE RIVER (LEFT) AND YUKON RIVER

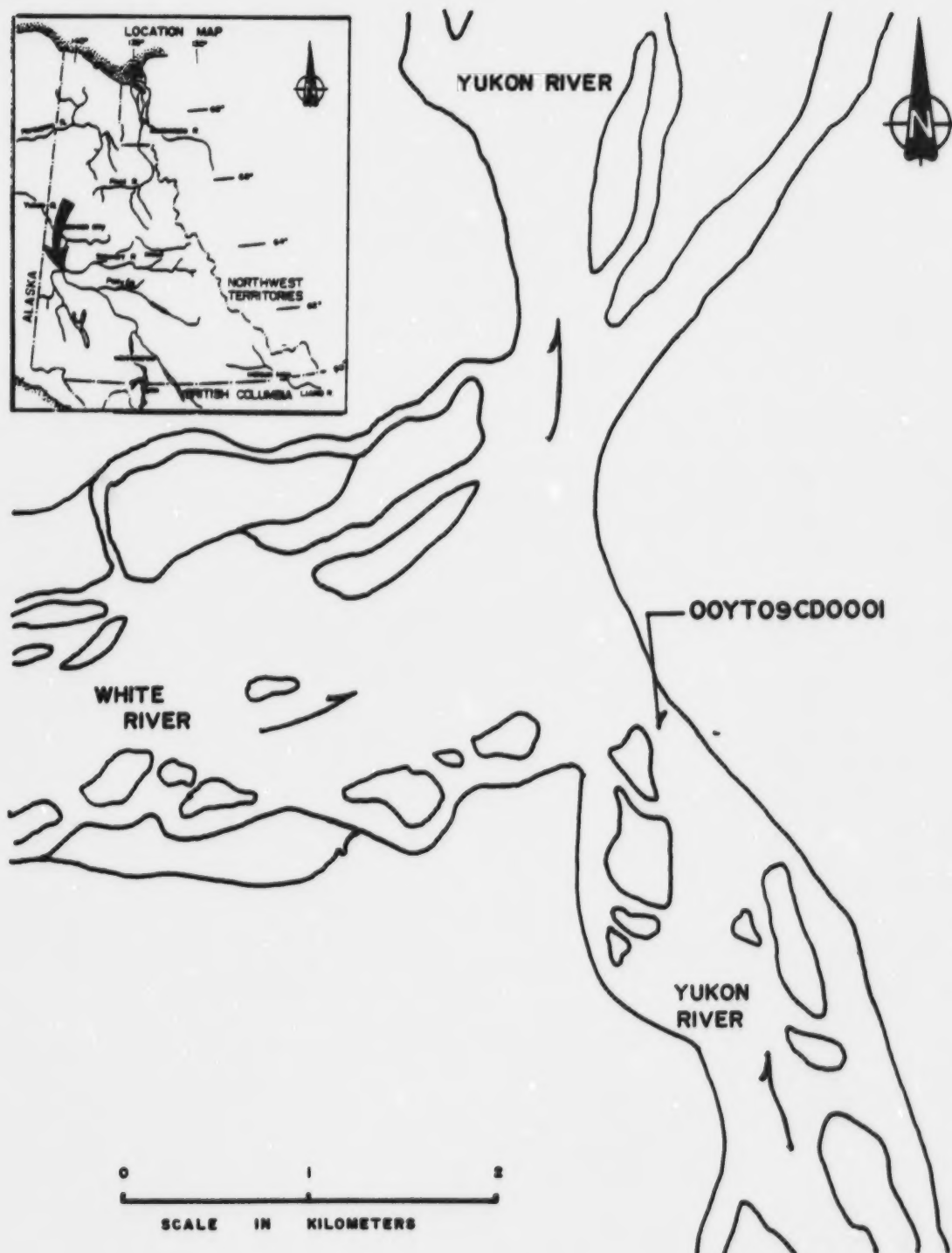


FIGURE 18 YUKON RIVER ABOVE WHITE RIVER
WATER QUALITY STATION 00YT09CD0001

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08C00001
 PACIFIC AND YUKON REGION
 YUKON RIVER ABOVE WHITE RIVER

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
15	7	1982	1200	5	0.0	18.0000	0.0	110.0000	0.0	0.0	0.0	35.0000	15.0000	0.0
15	7	1982	1210	5	0.0	18.0000	0.0	110.0000	0.0	8.0000	132.0000	3.8000	10.0000	0.0
22	8	1982	1230	9	5.0000	5.0000	8.1000	0.0	21.4000	7.8900	140.4000	2.6000	8.0000	0.0
25	1	1983	1510	9	-36.0000	1.0000	7.3000	123.0000	21.2000	8.3000	190.0000	0.3500	10.0000	0.0
31	5	1983	1730	9	30.0000	12.5000	7.8000	113.0000	21.4000	7.7000	145.0000	20.0000	40.0000	0.0
25	7	1983	1950	9	22.0000	17.0000	8.0000	123.0000	18.8000	8.0000	161.0000	5.9000	10.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PRJ. 4 DATA REPORT
 REPORT FOR STATION NUMBER 00YT09C00001
 YUKON RIVER ABOVE WHITE RIVER

DD	MM	YEAR	HR	MIN	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
15	7	1982	1200	5		74.5000	78.1000	23.1000	0.0	0.7000	1.6000	0.4000	0.0660	6.5000	10.5000
15	7	1982	1210	5		58.1000	70.4000	19.4000	0.0	0.6000	1.5000	0.3000	0.0670	6.5000	11.1000
22	9	1982	1230	9		60.1000	71.4000	20.3000	5.1000	0.8000	1.6000	0.3000	0.0800	5.0000	11.5000
25	1	1983	1510	9		82.2000	95.9000	27.4000	6.7000	0.8000	2.1000	0.4000	0.1140	6.2000	13.9000
31	5	1983	1730	9		58.2000	73.2000	19.8000	5.8000	0.8000	1.4000	0.5000	0.0780	4.5000	14.2000
25	7	1983	1950	9		65.3000	79.6000	22.6000	5.6000	0.7000	1.6000	0.3000	0.1450	6.0000	14.4000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT09CD0001

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
15	7	1982	1200	5	0.0	306.0000	136.0000	304.0000	130.0000	0.0	0.0	0.0	0.0	0.0
15	7	1982	1210	5	0.0	18.0000	122.0000	14.0000	118.0000	0.0	0.0	0.0	0.0	0.0
22	9	1982	1230	9	0.0590	4.0000	81.0000	3.0000	69.0000	0.0003	0.0001	0.0	0.0	0.0
25	1	1983	1510	9	0.0860	2.0000	140.0000	0.0	86.0000	0.0002	0.0003	0.0	0.0	0.0
31	5	1983	1730	9	0.0160	258.0000	98.0000	232.0000	62.0000	0.0011	0.0003	0.0	0.0	0.0
25	7	1983	1950	9	0.0240	5.0000	77.0000	5.0000	53.0000	0.0003	0.0005	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09C00001

PACIFIC AND YUKON REGION
 YUKON RIVER ABOVE WHITE RIVER

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
15	7	1982	1200	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	7	1982	1210	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	9	1982	1230	9		0.0	0.0	0.0	0.0	0.0990	0.0070	0.0	16.0000	4.3000	0.0
25	1	1983	1510	9		0.0	0.0	0.0	0.0	0.1420	0.0020	0.0	25.0000	7.4000	0.0
31	5	1983	1730	9		0.0	0.0	0.0	0.0	0.1710	0.1810	0.0	16.0000	7.7000	0.0
25	7	1983	1950	9		0.0	0.0	0.0	0.0	0.1780	0.0280	0.0	17.0000	3.1000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09C00001
 PACIFIC AND YUKON REGION
 YUKON RIVER ABOVE WHITE RIVER

DD	MM	YEAR	HR	MN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
15	7	1982	1200	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	7	1982	1210	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	9	1982	1230	9		0.0	0.0	0.0	0.0	0.0020	0.2700	0.0010	0.0100	0.0500	0.0010
25	1	1983	1510	9		0.0	0.0	0.0	0.0	0.0010	0.0110	0.0030	0.0100	0.0500	0.0020
31	5	1983	1730	9		0.0	0.0	0.0	0.0	0.0100	13.0000	0.0090	0.1200	0.0500	0.0250
25	7	1983	1850	9		0.0	0.0	0.0	0.0	0.0020	0.6500	0.0010	0.0200	0.0500	0.0030

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.18

00YT09CC0001 WHITE RIVER AT MOUTH

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees, mid-stream White River 200 m u/s from the confluence with the Yukon River. The sample site is located 2217 km from the mouth of the Yukon River.	LAT 63°05'02"N LONG 139°29'40"W	430 m (1400 ft)	60,000 km ² (23,160 mi ²)	once a season	FIGURE 1 FIGURE 19 PLATE 37 PLATE 38 MAP 115 O/4

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN												
MAXIMUM												
MINIMUM					NO INFORMATION AVAILABLE							

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982												
1983												

* - ICE CONDITIONS

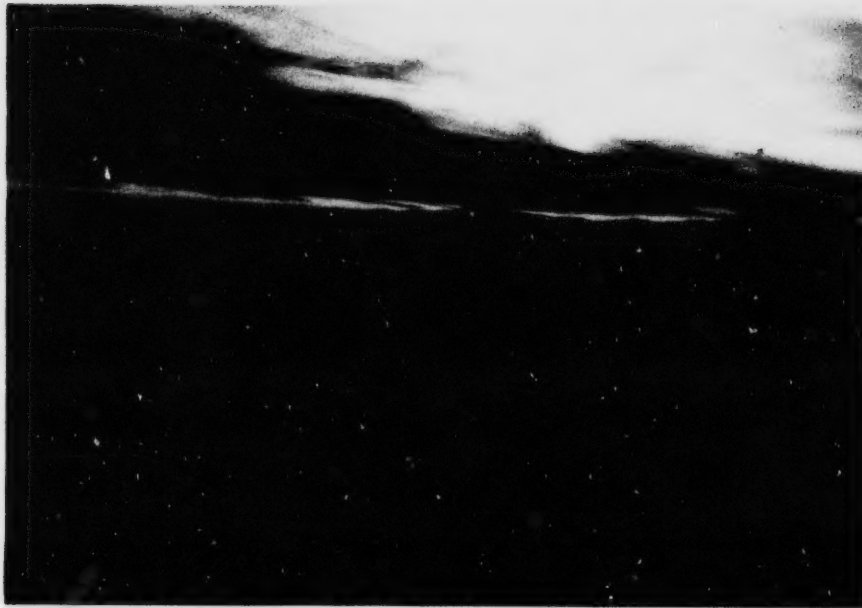


PLATE 37 WATER QUALITY STATION 00YT09CC0001
LOOKING UPSTREAM YUKON RIVER AT THE CONFLUENCE
OF THE YUKON (TOP LEFT) AND THE WHITE RIVERS (RIGHT)

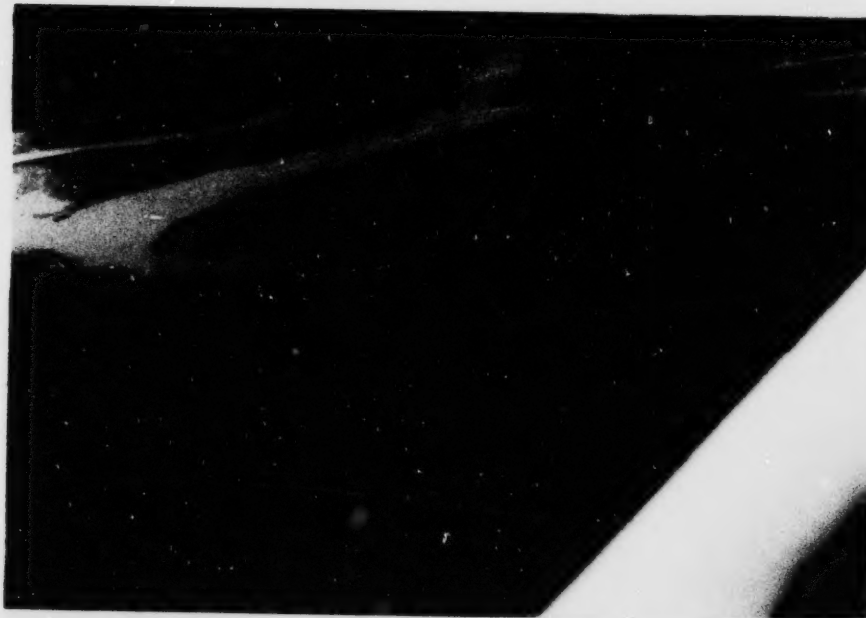


PLATE 38 WATER QUALITY STATION 00YT09CC0001
LOOKING UPSTREAM WHITE RIVER AT ITS CONFLUENCE
WITH THE YUKON RIVER

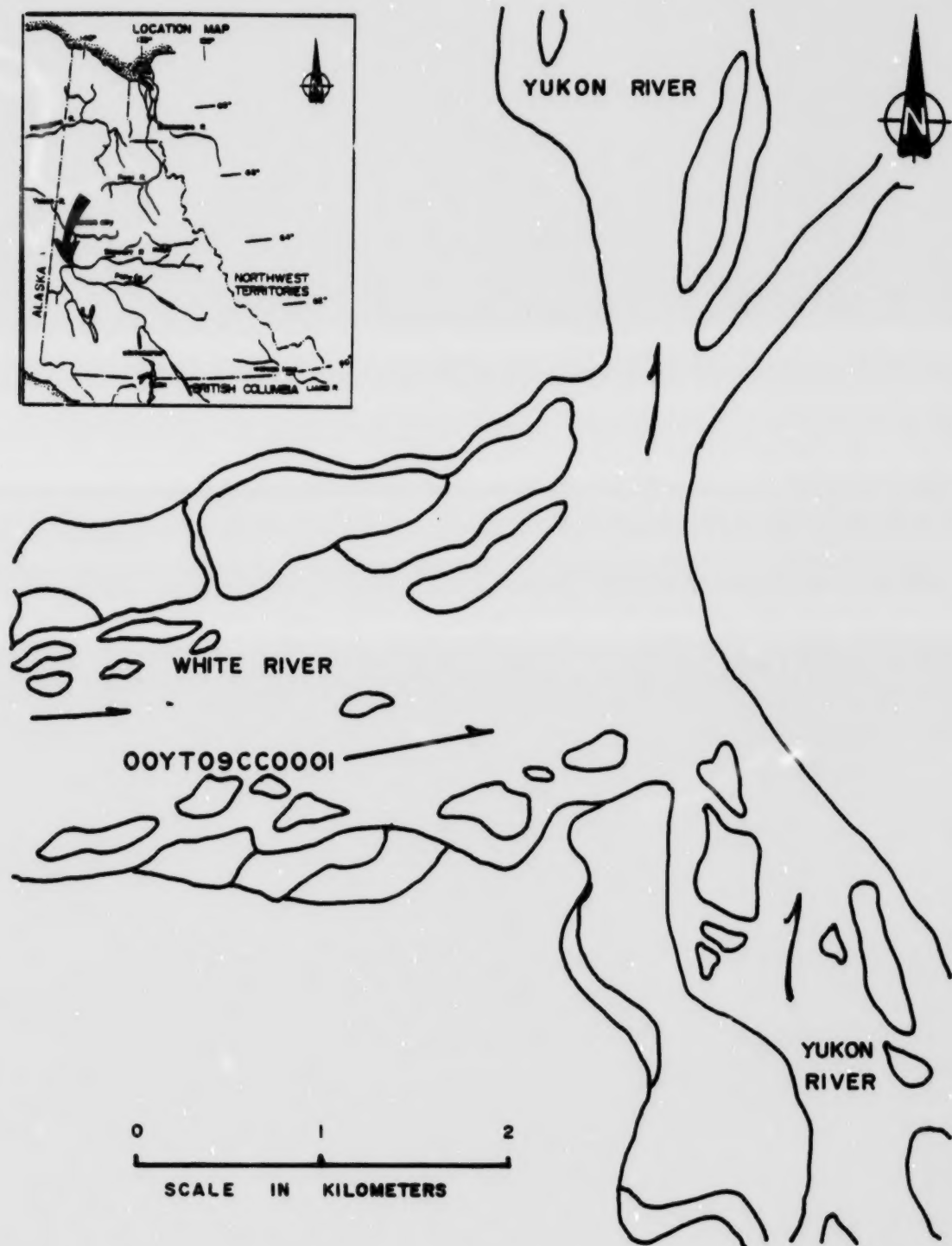


FIGURE 19 WHITE RIVER AT MOUTH
WATER QUALITY STATION OOYT09CC0001

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08CC0001
 PACIFIC AND YUKON REGION
 WHITE RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
15	7	1982	1130	5	0.0	18.0000	0.0	185.0000	0.0	8.2000	176.0000	160.0000	100.0000	0.0
15	7	1982	1140	5	0.0	18.0000	0.0	185.0000	0.0	8.1000	224.0000	900.0000	50.0000	0.0
15	7	1982	1150	5	0.0	18.0000	0.0	185.0000	0.0	8.2000	238.0000	410.0000	40.0000	0.0
22	9	1982	1210	9	4.0000	2.0000	8.1000	0.0	21.4000	8.0500	260.5000	374.0000	45.0000	0.0
25	1	1983	1450	9	-36.0000	1.0000	7.6000	188.0000	21.2000	8.0000	367.0000	18.0000	5.0000	0.0
31	5	1983	1745	9	30.4000	16.5000	7.6000	185.0000	22.1000	7.9000	208.0000	31.0000	40.0000	0.0
25	7	1983	2000	9	22.0000	15.3000	8.2000	200.0000	18.8000	8.0000	249.0000	130.0000	120.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09CC0001

PACIFIC AND YUKON REGION
 WHITE RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
15	7	1982	1130	5	74.7000	94.2000	25.9000	0.0	1.4000	2.7000	1.8000	0.0610	6.5000	17.0000
15	7	1982	1140	5	86.3000	111.0000	24.9000	0.0	2.5000	4.4000	2.4000	0.0770	7.0000	29.5000
15	7	1982	1150	5	90.7000	117.0000	25.3000	0.0	2.8000	4.9000	2.6000	0.0720	7.0000	32.5000
22	9	1982	1210	9	98.4000	130.5000	36.1000	9.8000	2.5000	4.9000	1.6000	0.1000	6.4000	36.5000
25	1	1983	1450	9	154.0000	189.0000	54.1000	13.1000	2.8000	6.2000	2.4000	0.1370	11.5000	43.0000
31	5	1983	1745	9	84.0000	103.0000	29.1000	7.4000	1.8000	4.1000	1.5000	0.0980	8.3000	23.0000
25	7	1983	2000	9	91.4000	122.0000	34.4000	8.8000	2.9000	5.0000	1.7000	0.1680	7.3000	36.5000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09CC0001 WHITE RIVER AT MOUTH PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
15	7	1982	1130	5		0.0	776.0000	168.0000	768.0000	116.0000	0.0	0.0	0.0	0.0	0.0
15	7	1982	1140	5		0.0	2252.0000	230.0000	2186.0000	208.0000	0.0	0.0	0.0	0.0	0.0
15	7	1982	1150	5		0.0	1780.0000	228.0000	1724.0000	220.0000	0.0	0.0	0.0	0.0	0.0
22	8	1982	1210	9		0.0500	812.0000	196.0000	766.0000	170.0000	0.0005	0.0005	0.0	0.0	0.0
25	1	1983	1450	8		0.1050	90.0000	260.0000	72.0000	216.0000	0.0005	0.0005	0.0	0.0	0.0
31	5	1983	1745	9		0.0500	229.0000	146.0000	202.0000	137.0000	0.0009	0.0004	0.0	0.0	0.0
25	7	1983	2000	9		0.1520	2948.0000	132.0000	2801.0000	100.0000	0.0020	0.0011	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09CC0001
 PACIFIC AND YUKON REGION
 WHITE RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
15	7	1982	1130	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	7	1982	1140	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	7	1982	1150	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	8	1982	1210	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	1	1983	1450	8	0.0	0.0	0.0	0.0	0.0790	0.6830	0.0	38.0000	1.4000	0.0
31	5	1983	1745	9	0.0	0.0	0.0	0.0	0.1630	0.0280	0.0	46.0000	11.0000	0.0
25	7	1983	2000	8	0.0	0.0	0.0	0.0	0.2400	0.1460	0.0	24.0000	2.2000	0.0
25	7	1983	2000	8	0.0	0.0	0.0	0.0	0.3000	3.5870	0.0	50.0000	24.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT09CC0001 WHITE RIVER AT MOUTH PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
15	7	1982	1130	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	7	1982	1140	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	7	1982	1150	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	9	1982	1210	9	0.0	0.0	0.0	0.0	0.0230	15.0000	0.0080	0.4800	0.1400	0.0600
25	1	1983	1450	9	0.0	0.0	0.0	0.0	0.0090	1.4000	0.0050	0.1000	0.0500	0.0050
31	5	1983	1745	9	0.0	0.0	0.0	0.0	0.0080	4.5000	0.0080	0.0900	0.0500	0.0040
25	7	1983	2000	9	0.0	0.0	0.0	0.0	0.0900	200.0000	0.0050	4.0000	0.1000	0.3000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.19

00YT09DD0011 McQUESTEN RIVER AT BRIDGE

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND personnel mid stream McQuesten River from the u/s side of the Klondike Highway bridge (km 584). The sample site is located 2328 km from the mouth of Yukon River.	LAT 63°36'40"N LONG 137°16'10"W	450 m (1475 ft)	2,870 km ² (1,100 mi ²)	once a season	FIGURE 1 FIGURE 20 PLATE 39 PLATE 40 MAP 115 P/11

A-275

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1979 - 1982 (WSC 09DD004, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	8.41*	6.59*	6.60*	8.14*	105*	100	66.0	44.4	45.1	37.6	22.7*	11.9*
MAXIMUM	10.4 *	8.47*	8.66*	12.4*	143*	130	109	56.6	58.8	50.7	33.2*	14.5*
MINIMUM	6.72*	5.83*	5.36*	5.72*	75.9*	71.4	45.5	28.2	22.3	18.2	11.8*	9.23*

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982									22.3	18.2*	11.8*	9.23*
1983	*	*	*	*	*							

* - ICE CONDITIONS



PLATE 39 WATER QUALITY STATION 00YT09DD0011
LOOKING DOWNSTREAM McQUESTEN RIVER AT KLONDIKE
HIGHWAY BRIDGE



PLATE 40 WATER QUALITY STATION 00YT09DD0011
LOOKING UPSTREAM McQUESTEN RIVER THROUGH THE
KLONDIKE HIGHWAY BRIDGE

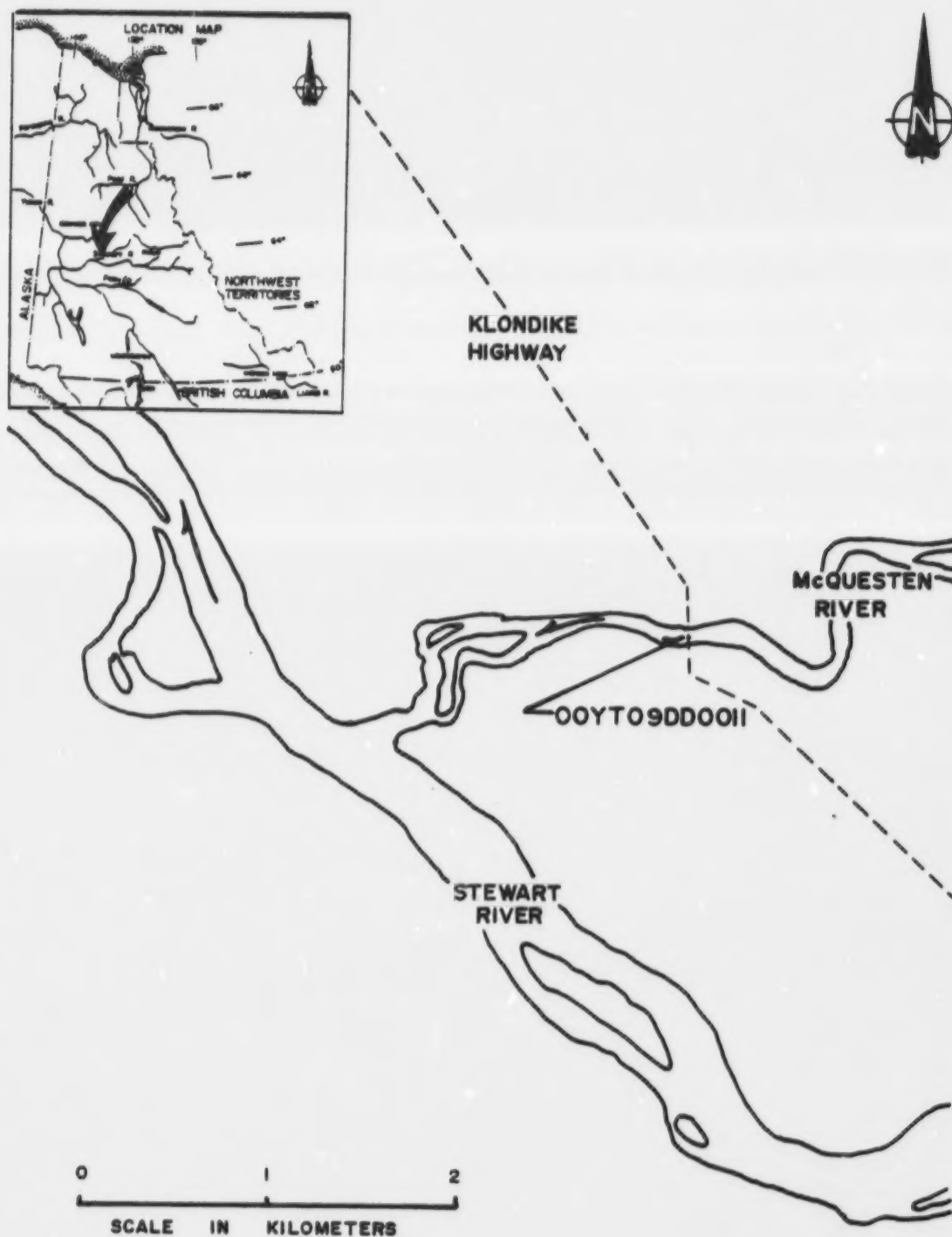


FIGURE 20 McQUESTEN RIVER AT BRIDGE
WATER QUALITY STATION 00YT09DD0011

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09DD0011 MCQUESTEN RIVER AT BRIDGE PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
8	7	1982	1628	5	0.0	17.0000	8.0000	198.0000	0.0	8.0000	239.0000	1.6000	5.0000	0.0
26	8	1982	1504	9	20.0000	12.0000	8.2000	0.0	21.4000	8.2000	268.0000	2.5000	17.0000	0.0
10	11	1982	1220	9	-13.5000	0.1000	7.8000	0.0	21.2000	8.0000	295.0000	0.2800	7.0000	0.0
26	1	1983	1130	9	-25.0000	0.2000	7.1000	169.0000	22.0000	8.2000	307.0000	0.3000	5.0000	0.0
30	5	1983	1540	9	31.4000	11.4000	7.2000	78.0000	21.8000	7.4000	107.0000	10.0000	60.0000	0.0
26	7	1983	1430	9	21.0000	14.4000	8.1000	198.0000	19.0000	8.0000	246.0000	0.4900	10.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09DD0011 MCQUESTEN RIVER AT BRIDGE PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K-D	NA-D	CL-D	F-D	SI02	SD4
8	7	1982	1628	5	92.5000	127.0000	35.6000	0.0	0.3000	1.5000	0.3000	0.0500	5.2000	31.5000
26	8	1982	1504	9	106.9000	144.1000	42.6000	9.2000	0.3000	2.0000	0.3000	0.0500	5.7000	36.0000
10	11	1982	1220	8	118.8000	157.3000	45.0000	10.8000	0.5000	2.1000	0.4000	0.0670	6.7000	37.5000
26	1	1983	1130	8	125.0000	164.0000	46.7000	11.5000	0.7000	2.3000	0.5000	0.0760	7.2000	38.5000
30	5	1983	1540	9	37.0000	53.7000	15.7000	3.5000	0.4000	0.6000	0.6000	0.0500	3.4000	13.4000
26	7	1983	1430	9	93.1000	127.0000	37.1000	8.3000	0.3000	1.5000	0.3000	0.1060	5.7000	34.5000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER 00YT08DD0011

REPORT
MCQUESTEN RIVER AT BRIDGE

PACIFIC AND YUKON REGION

DO	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
8	7	1982	1628	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	8	1982	1504	9	0.0720	0.0	0.0	0.0	0.0	0.0010	0.0002	0.0005	0.0	0.0
10	11	1982	1220	9	0.2040	0.0	0.0	0.0	0.0	0.0004	0.0002	0.0	0.0080	0.0060
26	1	1983	1130	9	0.1750	2.0000	180.0000	0.0	164.0000	0.0005	0.0005	0.0	0.0	0.0
30	5	1983	1540	9	0.0230	341.0000	216.0000	0.0	170.0000	0.0028	0.0001	0.0	0.0	0.0
26	7	1983	1430	9	0.0720	18.0000	99.0000	308.0000	91.0000	0.0009	0.0003	0.0	0.0	0.0
							214.0000	15.0000	104.0000			0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09DD0011 PACIFIC AND YUKON REGION
 MCQUESTEN RIVER AT BRIDGE

DO	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	MB-X
8	7	1982	1628	5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	8	1982	1504	9	0.1200	0.0030	0.0200	0.0600	0.1080	0.0070	0.0	0.0	0.0	0.0
10	11	1982	1220	8	0.0	0.0	0.0	0.0	0.3080	0.0050	0.0	0.0	0.0	0.0
26	1	1983	1130	9	0.0	0.0	0.0	0.0	0.2270	0.0040	0.0	31.0000	1.7000	0.0
30	5	1983	1540	9	0.0	0.0	0.0	0.0	0.2440	0.3280	0.0	35.0000	8.2000	0.0
26	7	1983	1430	9	0.0	0.0	0.0	0.0	0.1990	0.0170	0.0	9.4000	16.0000	0.0
												23.0000	3.4000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER OQYT09DD0011
 PACIFIC AND YUKON REGION
 MCQUESTEN RIVER AT BRIDGE

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
8	7	1982	1628	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	8	1982	1504	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	11	1982	1220	9		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	1	1983	1130	9		0.0	0.0	0.0	0.0	0.0010	0.1000	0.0030	0.0200	0.0500	0.0020
30	5	1983	1540	9		0.0	0.0	0.0	0.0	0.0010	0.0280	0.0010	0.0200	0.0500	0.0020
26	7	1983	1430	9		0.0	0.0	0.0	0.0	0.0100	6.0000	0.0260	0.2600	0.0500	0.0300
						0.0	0.0	0.0	0.0	0.0300	0.1700	0.0030	0.0200	0.0500	0.0010

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

APPENDIX 2.20

00YT09AF0001 TESLIN RIVER AT MOUTH

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by DIAND employees from mid stream Teslin River 200 m u/s from the confluence with the Yukon River. The sample site is located 2646 km from the mouth of the Yukon River.	LAT 61°29'21"N LONG 134°46'35"W	595 m (1950 ft)	36,500 km ² (14,100 mi ²)	once a season	FIGURE 1 FIGURE 21 PLATE 41 PLATE 42 MAP 105 E/10

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1955 - 1973 (WSC 09AF001, ENVIRONMENT CANADA, 1979)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN	102	88.5	84.8	84.8	259	1010	807	467	390	348	225	139
MAXIMUM	200	154	125	119	411	1410	1400	627	730	511	320	237
MINIMUM	66.8	55.3	52.8	66.6	140	612	336	203	173	163	117	86.6

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982												
1983												

* - ICE CONDITIONS

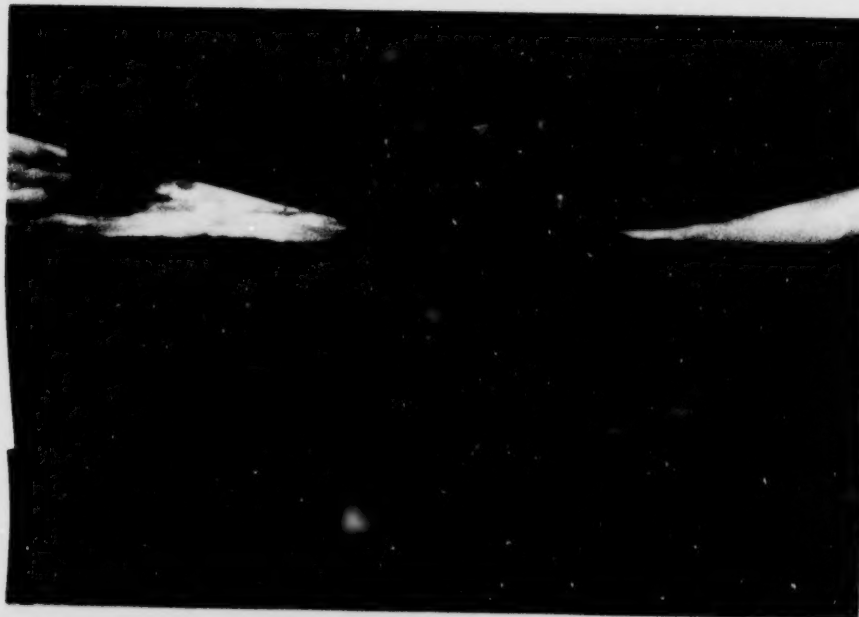


PLATE 41 WATER QUALITY STATION 00YT09AF0001
LOOKING UPSTREAM AT THE CONFLUENCE OF CLEAR
YUKON RIVER WATER (RIGHT) AND SILTY TESLIN
RIVER WATER (LEFT)



PLATE 42 WATER QUALITY STATION 00YT09AF0001
LOOKING UPSTREAM YUKON RIVER AT THE CONFLUENCE OF
THE TESLIN RIVER (LEFT) AND THE YUKON RIVER (RIGHT)

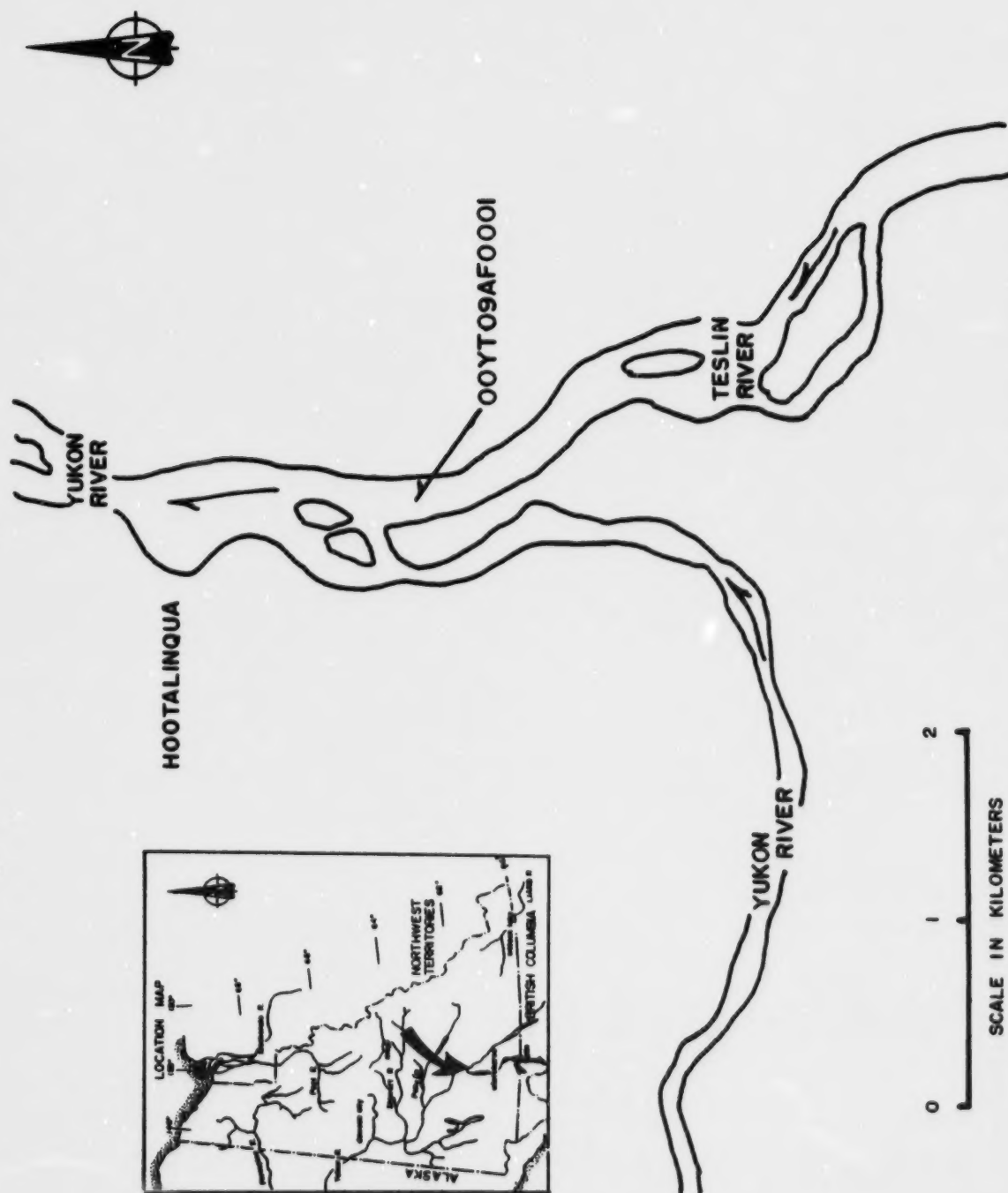


FIGURE 21 TESLIN RIVER AT MOUTH
WATER QUALITY STATION Ooyt09AF0001

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT08AFO001
 TESLIN RIVER AT MOUTH PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
4	8	1982	1416	5		0.0	12.0000	7.9000	0.0	22.0000	7.9000	124.0000	4.4000	17.0000	0.0
4	8	1982	1418	5		0.0	12.0000	7.9000	0.0	21.7000	7.9200	126.0000	4.2000	20.0000	0.0
4	8	1982	1420	5		0.0	12.0000	7.9000	0.0	21.8000	7.8900	123.0000	2.1000	20.0000	0.0
7	9	1982	1410	9		7.0000	6.0000	8.1000	0.0	21.9000	8.1000	134.9000	5.4500	15.0000	0.0
24	2	1983	1100	9		2.0000	1.1000	7.6000	102.0000	21.8000	8.0000	157.0000	0.3000	10.0000	0.0
10	6	1983	1210	9		14.0000	7.7000	7.4000	92.0000	22.2000	7.8000	129.0000	3.2000	5.0000	0.0
10	8	1983	1300	9		14.0000	0.0	7.9000	0.0	20.9000	8.0000	141.0000	4.6000	10.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AF0001

PACIFIC AND YUKON REGION
 TESLIN RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SI04
4	8	1982	1416	5	58.1000	64.7000	17.9000	4.8000	0.5000	1.5000	0.3000	0.0680	6.6000	6.2000
4	8	1982	1418	5	58.8000	64.5000	18.7000	4.3000	0.5000	1.5000	0.2000	0.0670	6.6000	6.0000
4	8	1982	1420	5	58.4000	64.7000	18.3000	4.6000	0.5000	1.5000	0.2000	0.0670	6.5000	6.1000
7	9	1982	1410	9	63.3000	70.4000	19.8000	5.1000	0.8000	1.7000	0.5000	0.0700	6.4000	6.8000
24	2	1983	1100	9	72.0000	79.5000	22.1000	5.9000	0.9000	1.9000	0.6000	0.1110	7.2000	7.9000
10	6	1983	1210	9	59.4000	63.9000	17.7000	4.8000	0.7000	1.6000	0.2000	0.0920	6.7000	5.3000
10	8	1983	1300	9	64.1000	70.8000	19.9000	5.1000	0.6000	1.4000	0.2000	0.1390	6.3000	6.6000

DATA ON FILE AS OF 12:25 P.M. NOV. 28, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO8AF0001 TESLIN RIVER AT MOUTH PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
4	8	1982	1416	5		0.0020	14.0000	106.0000	14.0000	62.0000	0.0	0.0	0.0	0.0	0.0
4	8	1982	1418	5		0.0030	12.0000	94.0000	10.0000	60.0000	0.0	0.0	0.0	0.0	0.0
4	8	1982	1420	5		0.0030	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	9	1982	1410	9		0.0030	16.0000	84.0000	12.0000	62.0000	0.0003	0.0001	0.0	0.0	0.0
24	2	1983	1100	9		0.0660	1.0000	107.0000	0.0	87.0000	0.0003	0.0002	0.0	0.0	0.0
10	6	1983	1210	9		0.0560	83.0000	86.0000	78.0000	37.0000	0.0003	0.0001	0.0	0.0	0.0
10	8	1983	1300	9		0.0440	15.0000	210.0000	11.0000	146.0000	0.0002	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AF0001
 TESLIN RIVER AT MOUTH
 PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
4	8	1982	1416	5		0.0	0.0	0.0	0.0	0.0910	0.0	0.0	0.0	0.0	0.0
4	8	1982	1418	5		0.0	0.0	0.0	0.0	0.0950	0.0	0.0	0.0	0.0	0.0
4	8	1982	1420	5		0.0	0.0	0.0	0.0	0.0920	0.0	0.0	0.0	0.0	0.0
7	9	1982	1410	9		0.0	0.0	0.0	0.0	0.1070	0.0160	0.0	17.0000	4.1000	0.0
24	2	1983	1100	9		0.0	0.0	0.0	0.0	0.1620	0.0150	0.0	18.0000	4.3000	0.0
10	6	1983	1210	9		0.0	0.0	0.0	0.0	0.1450	0.0640	0.0	15.0000	2.2000	0.0
10	8	1983	1300	9		0.0	0.0	0.0	0.0	0.1470	0.0260	0.0	16.0000	2.9000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AF0001
 PACIFIC AND YUKON REGION
 TESLIN RIVER AT MOUTH

DD	MM	YEAR	HR	MIN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
4	8	1982	1416	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	8	1982	1418	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	8	1982	1420	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	8	1982	1410	9		0.0	0.0	0.0	0.0	0.0030	0.4500	0.0010	0.0100	0.0500	0.0010
24	2	1983	1100	9		0.0	0.0	0.0	0.0	0.0040	0.0800	0.0010	0.0100	0.0800	0.0020
10	6	1983	1210	9		0.0	0.0	0.0	0.0	0.0030	1.3000	0.0040	0.0300	0.0500	0.0050
10	8	1983	1300	9		0.0	0.0	0.0	0.0	0.0030	0.7500	0.0020	0.0100	0.0500	0.0010

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

SITE DESCRIPTION	LOCATION	ELEVATION	DRAINAGE AREA	PLANNED FREQUENCY OF SAMPLING	ACCOMPANYING INFORMATION
Samples were collected by 1ay samplers mid stream Jennings River at the mouth at Teslin Lake. The sample site is located 292 km from the mouth of the Yukon River.	LAT 59°23'24"N LONG 132°09'00"W	720 m (2370 ft)	3,289 km ² (1,270 mi ²)	once a season	FIGURE 1 FIGURE 22 PLATE 43 PLATE 44 MAP 109 N/9

MONTHLY (MEAN, MAXIMUM, MINIMUM) DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD 1948 - 1982 (ENVIRONMENT CANADA, 1983a)

A-291

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
MEAN												
MAXIMUM												
MINIMUM												

MONTHLY (MEAN) DISCHARGES IN CUBIC METERS PER SECOND FOR THE STUDY PERIOD (ENVIRONMENT CANADA, 1983a)

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1982												
1983												

* - ICE CONDITIONS



PLATE 43 WATER QUALITY STATION 00BC09AE0010
LOOKING UPSTREAM JENNINGS RIVER FROM ITS MOUTH
ON TESLIN LAKE



PLATE 44 WATER QUALITY STATION 00BC09AE0010
LOOKING AT THE MOUTH OF THE JENNINGS RIVER
AS IT ENTERS TESLIN LAKE

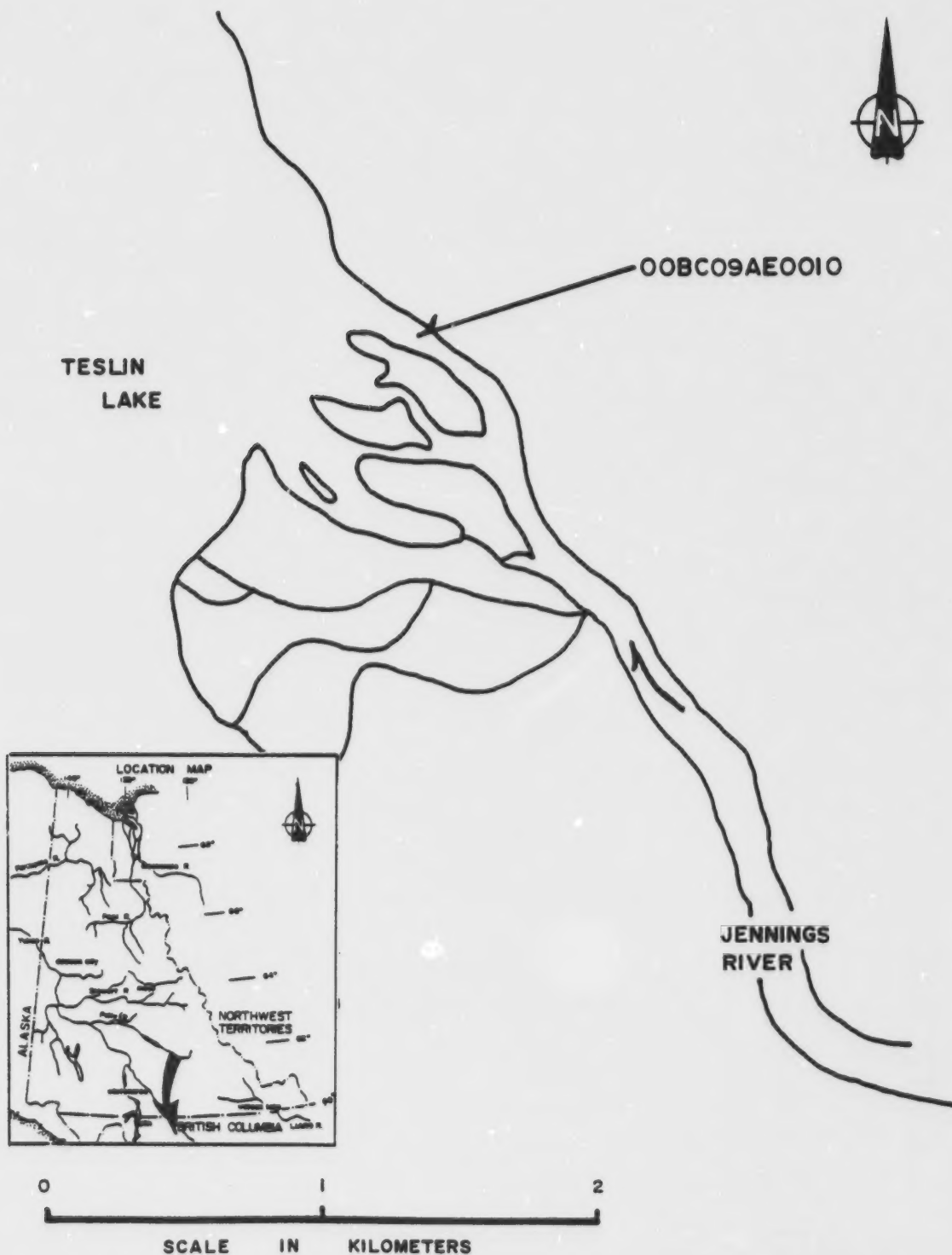


**FIGURE 22 JENNINGS RIVER AT MOUTH
WATER QUALITY STATION OOBBC09AE0010**

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y08AEO010 JENNINGS RIVER AT MOUTH PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
27	7	1982	1023	5		0.0	14.0000	7.8000	0.0	20.1000	7.6500	72.7000	1.5000	10.0000	0.0
28	10	1982	1100	9		4.0000	4.0000	7.7000	0.0	21.2000	7.8000	115.2000	0.2000	10.0000	0.0
2	2	1983	1400	9		-8.0000	0.0	7.4000	0.0	21.8000	7.4000	117.0000	0.1000	5.0000	0.0
16	6	1983	1410	9		16.0000	10.0000	7.8000	0.0	20.5000	7.2000	56.1000	0.2700	5.0000	0.0
17	8	1983	1030	9		8.0000	9.9000	7.4000	51.0000	23.6000	6.8500	74.8000	0.2400	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AE0010 JENNINGS RIVER AT MOUTH PACIFIC AND YUKON REGION

DD MM YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	S04		
27	7	1982	1023	5	33.5000	34.8000	9.3400	2.8000	0.5000	1.6000	0.2000	0.0500	6.4000	3.9000
29	10	1982	1100	9	54.0000	58.7000	16.6000	4.2000	0.4000	1.5000	0.3000	0.0600	7.0000	4.0000
2	2	1983	1400	9	55.4000	55.0000	15.1000	4.2000	0.8000	2.8000	0.2000	0.0700	11.3000	4.3000
16	6	1983	1410	9	23.2000	24.7000	6.6900	1.9000	0.4000	1.3000	0.2000	0.0800	5.8000	2.3000
17	8	1983	1030	9	33.8000	35.1000	9.9500	2.5000	0.5000	1.6000	0.3000	0.0760	6.5000	3.2000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO9AE0010 PACIFIC AND YUKON REGION
 JENNINGS RIVER AT MOUTH

DD	MM	YEAR	HR	MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
27	7	1982	1023	5		0.0020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	10	1982	1100	9		0.0490	0.0	0.0	0.0	0.0	0.0002	0.0001	0.0	0.0	0.0
2	2	1983	1400	9		0.1450	2.0000	98.0000	0.0	50.0000	0.0001	0.0002	0.0	0.0	0.0
16	6	1983	1410	9		0.0560	11.0000	43.0000	6.0000	7.0000	0.0001	0.0001	0.0	0.0	0.0
17	8	1983	1030	9		0.5510	3.0000	145.0000	0.0	49.0000	0.0001	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y09AE0010 JENNINGS RIVER AT MOUTH PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
27	7	1982	1023	5	0.0	0.0	0.0	0.0	0.0720	0.0	0.0	0.0	0.0	0.0
28	10	1982	1100	8	0.0	0.0	0.0	0.0	0.1910	0.0060	0.0	7.3000	11.0000	0.0
2	2	1983	1400	8	0.0	0.0	0.0	0.0	0.2400	0.0070	0.0	16.0000	2.3000	0.0
16	6	1983	1410	8	0.0	0.0	0.0	0.0	0.1730	0.0110	0.0	5.8000	1.9000	0.0
17	8	1983	1030	8	0.0	0.0	0.0	0.0	1.7500	0.0100	0.0	8.0000	0.5200	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y08AEO010 JENNINGS RIVER AT MOUTH PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:	MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
27	7	1982	1023	5		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	10	1982	1100	9		0.0	0.0	0.0	0.0	0.0020	0.0700	0.0040	0.0100	0.0500	0.0150
2	2	1983	1400	9		0.0	0.0	0.0	0.0	0.0010	0.0180	0.0010	0.0100	0.0500	0.0010
16	6	1983	1410	9		0.0	0.0	0.0	0.0	0.0010	0.1600	0.0020	0.0100	0.0500	0.0070
17	8	1983	1030	9		0.0	0.0	0.0	0.0	0.0060	0.0700	0.0060	0.0100	0.0500	0.0040

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

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APPENDIX 3

QUALITY CONTROL DATA

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WATER QUALITY BRANCH - PACIFIC AND YUKON REGION
WATER QUALITY ROUTINE MONITORING
GLOSSARY OF VARIABLE CODES

IC	CODE	DESCRIPTION	NAQUADAT NUMBER	DETECTION LIMIT (L=c)
01	T-AF	TEMPERATURE AIR FIELD (CELCIUS)	97060S	
02	T-WF	TEMPERATURE WATER FIELD (CELCIUS)	02061S	
03	T-WL	TEMPERATURE WATER LAC (CELCIUS)	02061L	
04	PH-F	PH FIELD	10301S	
05	PH-L	PH LAB.	10301L	
06	SC-F	SPECIFIC CONDUCTANCE FIELD (US/CM)	02041S	
07	SC-L	SPECIFIC CONDUCTANCE LAB. (US/CM)	02041L	
08	TURB	TURBIDITY	02073L	
09	COLR	COLOUR	02011L	
10	ALKP	ALKALINITY PHENOPHTH. (MG/L) CAC03	10151L	
11	ALKT	ALKALINITY TOTAL (MG/L) CAC03	10101L	
12	HARD	HARDNESS TOTAL (MG/L) CAC03	10603L	
13	CA-D	CALCIUM DISSOLVED (MG/L)	20101L	
14	MG-D	MAGNESIUM DISSOLVED (MG/L)	12101L	
15	K -D	POTASSIUM DISSOLVED (MG/L)	19103L	
16	NA-D	SODIUM DISSOLVED (MG/L)	11103L	
17	CL-D	CHLORIDE DISSOLVED (MG/L)	17206L	
18	F -D	FLUORIDE DISSOLVED (MG/L)	09106L	
19	SI02	SILICA REACTIVE (MG/L)	14106L	
20	S04	SULPHATE DISSOLVED (MG/L)	16306L	
21	N-TD	NITROGEN TOTAL DISSOLVED (MG/L)	07651L	
22	PN-D	NITRATE NITRITE DISSOLVED (MG/L)	07110L	
23	RNFL	RESIDUE NONFILTERABLE (MG/L)	15406L	
24	RFL	RESIDUE FILTERABLE (MG/L)	10401L	
25	RFF	RESIDUE FIXED NONFILTERABLE (MG/L)	10451L	
26	AS-X	ARSENIC EXTRACTABLE (MG/L)	10501L	
27	SE-X	SELENIUM EXTRACTABLE (MG/L)	10551L	
28	CD-X	CADMIUM EXTRACTABLE (MG/L)	33304L	
29	CU-X	COPPER EXTRACTABLE (MG/L)	34302L	
30	ZN-X	ZINC EXTRACTABLE (MG/L)	4830_P	
31	FE-X	IRON EXTRACTABLE (MG/L)	2930_P	
32	PB-X	LEAD EXTRACTABLE (MG/L)	3030_P	
33	MN-X	MOLYBDENUM EXTRACTABLE (MG/L)	2630_P	
34	HG-X	MANGANESE EXTRACTABLE (MG/L)	8230_P	
35	CYAN	MERCURY EXTRACTABLE (UG/L)	4230_P	
36	TIC	CYANIDE TOTAL (MG/L)	2530_P	
37	TOC	TOTAL INORGANIC CARBON (MG/L)	80311P	
38	HG-T	MERCURY TOTAL (UG/L)	06606P	
39	CU-T	COPPER TOTAL (MG/L)	06051L	
40	ZN-T	ZINC TOTAL (MG/L)	06001L	
41	FE-T	IRON TOTAL (MG/L)	80011P	
42	PB-T	LEAD TOTAL (MG/L)	2900_P	
43	MN-T	MOLYBDENUM TOTAL (MG/L)	3000_P	
44		MANGANESE TOTAL (MG/L)	2600_P	
45			8200_P	
46			4200-P	
47			2500_P	

*** - VARIABLE DETECTION LIMIT

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER DISTILLEDH20

WATER QUALITY BRANCH MONITORING PROGRAM REPORT FOR STATION NUMBER				DATA DISTILLED#20				REPORT BLANKS		PACIFIC AND YUKON REGION				
DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
16	6	1983	1538	3	0.0	0.0	0.0	0.0	21.6000	5.5000	1.2200	0.3700	5.0000	0.0
22	7	1983	1739	3	20.5000	24.1000	5.3000	20.0000	19.1000	5.4000	1.9100	0.4200	5.0000	0.0
22	7	1983	1846	3	20.2000	24.1000	5.3000	20.0000	20.2000	5.5000	3.1300	0.1400	5.0000	0.0
25	7	1983	1030	3	19.0000	18.0000	6.3000	0.0	20.0000	5.4000	1.9800	0.1200	5.0000	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER DISTILLEDH2O

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SO4
16	6	1983	1538	3	0.5000	1.0000	0.5000	0.0	0.2000	0.2000	0.2000	0.0500	0.2000	0.5000
22	7	1983	1739	3	0.5000	1.3800	0.5000	0.3000	0.2000	0.2000	0.2000	0.0500	0.2000	0.5000
22	7	1983	1846	3	0.5000	1.7800	0.5000	0.4000	0.2000	0.2000	0.2000	0.0500	0.2000	0.5000
25	7	1983	1030	3	0.5000	1.3800	0.5000	0.3000	0.2000	0.2000	0.2000	0.0500	0.2000	0.5000

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER DISTILLEDH2O

DD	MM	YEAR	HR	MIN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CO-X	CU-X	ZN-X
16	6	1983	1538	3		0.0210	2.0000	20.0000	1.0000	11.0000	0.0001	0.0001	0.0	0.0	0.0
22	7	1983	1739	3		0.0020	4.0000	10.0000	3.0000	5.0000	0.0006	0.0001	0.0	0.0	0.0
22	7	1983	1846	3		0.0040	1.0000	28.0000	0.0	22.0000	0.0001	0.0001	0.0	0.0	0.0
25	7	1983	1030	3		0.0020	4.0000	11.0000	0.0	6.0000	0.0002	0.0001	0.0	0.0	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER DISTILLEDH2O

PACIFIC AND YUKON REGION

REPORT
BLANKS

DD	MM	YEAR	HR	MN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	MB-X
15	6	1983	1538	3		0.0	0.0	0.0	0.0	0.0280	0.0290	0.0	0.1400	0.5200	0.0
22	7	1983	1739	3		0.0	0.0	0.0	0.0	0.0200	0.0040	0.0	0.4700	0.5200	0.0
22	7	1983	1846	3		0.0	0.0	0.0	0.0	0.0130	0.0030	0.0	0.4300	0.5500	0.0
25	7	1983	1030	3		0.0	0.0	0.0	0.0	0.0100	0.0020	0.0	0.4700	0.6300	0.0

DATA ON FILE AS OF 12:25 P.M. NOV. 29, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER DISTILLEDH2O

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
16	6	1983	1538	3	0.0	0.0	0.0	0.0	0.0030	0.0350	0.0010	0.0100	0.0500	0.0140
22	7	1983	1739	3	0.0	0.0	0.0	0.0	0.0010	0.0350	0.0010	0.0100	0.0500	0.0040
22	7	1983	1846	3	0.0	0.0	0.0	0.0	0.0030	0.0010	0.0050	0.0100	0.0500	0.0040
25	7	1983	1030	3	0.0	0.0	0.0	0.0	0.0020	0.0120	0.0020	0.0100	0.0500	0.0020

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AH0001
 PACIFIC AND YUKON REGION
 YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB.	COLR	ALKP
2	6	1983	1650	3		12.0000	9.3000	7.8000	76.0000	21.3000	7.7000	106.0000	48.0000	30.0000	0.0
30	6	1983	1405	3		21.0000	17.0000	8.7000	130.0000	21.2000	7.5000	123.0000	0.5500	5.0000	0.0
8	7	1983	1730	3		24.0000	18.0000	8.8000	100.0000	22.4000	7.9000	127.0000	2.4000	10.0000	0.0
11	7	1983	1715	3		17.0000	16.0000	8.9000	100.0000	22.6000	7.5000	125.0000	0.5400	5.0000	0.0
15	7	1983	1045	3		17.0000	15.0000	8.7000	120.0000	23.0000	7.8500	123.0000	1.1000	5.0000	0.0
18	7	1983	1815	3		18.0000	16.0000	8.8000	120.0000	18.6000	7.8000	126.0000	2.3000	10.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT PACIFIC AND YUKON REGION
 REPORT FOR STATION NUMBER 00YT05AH0001 YUKON RIVER AT CARNACKS

DD	MM	YEAR	HR	MIN	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SO4
2	6	1983	1650	3		48.6000	52.9000	16.0000	3.1000	1.0000	1.0000	0.5000	0.0600	4.7000	5.0000
30	6	1983	1405	3		55.2000	62.1000	18.1000	4.1000	0.6000	1.2000	0.3000	0.0800	5.6000	5.5000
8	7	1983	1730	3		56.8000	63.5000	18.5000	4.2000	0.7000	1.4000	0.3000	0.0850	5.4000	6.6000
11	7	1983	1715	3		56.2000	62.3000	18.2000	4.1000	0.7000	1.5000	0.3000	0.1410	5.3000	6.6000
15	7	1983	1045	3		56.4000	62.2000	18.3000	4.0000	0.6000	1.4000	0.2000	0.1620	5.2000	6.5000
18	7	1983	1815	3		54.8000	62.2000	17.8000	4.3000	0.7000	1.5000	0.3000	0.1100	5.2000	6.6000

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WATER QUALITY BRANCH MONITORING PROGRAM				REPORT				PACIFIC AND YUKON REGION					
REPORT FOR STATION NUMBER 00Y09AH0001				YUKON RIVER AT CARMACKS									
DD	MM	YEAR	HR:MM L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
2	6	1983	1650 3	0.0820	736.0000	79.0000	697.0000	60.0000	0.0013	0.0001	0.0	0.0	0.0
30	6	1983	1405 3	0.2530	2.0000	44.0000	0.0	11.0000	0.0003	0.0001	0.0	0.0	0.0
8	7	1983	1730 3	0.1070	6.0000	133.0000	2.0000	84.0000	0.0003	0.0001	0.0	0.0	0.0
11	7	1983	1715 3	0.0400	9.0000	120.0000	3.0000	44.0000	0.0003	0.0001	0.0	0.0	0.0
15	7	1983	1045 3	0.0100	9.0000	78.0000	4.0000	48.0000	0.0003	0.0001	0.0	0.0	0.0
18	7	1983	1815 3	0.0620	16.0000	85.0000	14.0000	77.0000	0.0003	0.0010	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AH0001 PACIFIC AND YUKON REGION
 YUKON RIVER AT CARMACKS

DD	MM	YEAR	HR:MM	L	FE-X	PB-X	MN-X	NG-X	N-TD	P-T	CYAN	TIC	TOC	AAO
2	6	1983	1650	3	0.0	0.0	0.0	0.0	0.2300	0.5050	0.0	14.0000	8.1000	0.0
30	6	1983	1405	3	0.0	0.0	0.0	0.0	0.3520	0.0420	0.0	13.0000	4.2000	0.0
8	7	1983	1730	3	0.0	0.0	0.0	0.0	0.1820	0.0110	0.0	14.0000	2.7000	0.0
11	7	1983	1715	3	0.0	0.0	0.0	0.0	0.0980	0.0170	0.0	14.0000	2.6000	0.0
15	7	1983	1045	3	0.0	0.0	0.0	0.0	0.0980	0.0160	0.0	14.0000	1.8000	0.0
18	7	1983	1815	3	0.0	0.0	0.0	0.0	0.1550	0.0180	0.0	14.0000	2.6000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09AH0001 YUKON RIVER AT CARMACKS PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
2	6	1983	1550	3		0.0	0.0	0.0	0.0005	0.0170	9.1000	0.0170	0.2600	0.0500	0.0260
30	6	1983	1405	3		0.0	0.0	0.0	0.0005	0.0020	0.4200	0.0010	0.0200	0.0500	0.0030
8	7	1983	1730	3		0.0	0.0	0.0	0.0005	0.0010	0.3100	0.0010	0.0100	0.0500	0.0010
11	7	1983	1715	3		0.0	0.0	0.0	0.0005	0.0010	0.2300	0.0010	0.0100	0.0500	0.0010
15	7	1983	1045	3		0.0	0.0	0.0	0.0005	0.0030	0.3700	0.0010	0.0100	0.0500	0.0010
18	7	1983	1815	3		0.0	0.0	0.0	0.0005	0.0020	0.2900	0.0030	0.0100	0.0500	0.0020

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT08EA0001
 KLONDIKE RIVER AT DAWSON PACIFIC AND YUKON REGION

DD MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
1	6	1983	1435	3	26.0000	11.5000	7.9000	78.0000	21.4000	7.5000	106.0000	45.0000	50.0000
													0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YTOSEA0001 KLONGDIKE RIVER AT DAWSON PACIFIC AND YUKON REGION

DD MM YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4	
1	6	1983	1435	3	32.3000	50.2000	13.3000	4.1000	0.9000	0.7000	0.0500	4.4000	16.6000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO8EA0001
 KLONDIKE RIVER AT DAWSON PACIFIC AND YUKON REGION

DO MM	YEAR	HR:MM	L	NN-D	RNFL	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
1	6	1983	1435	3	0.0620	1189.0000	84.0000	1094.0000	71.0000	0.0023	0.0006	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0Y08EA0001

PACIFIC AND YUKON REGION
 KLONDIKE RIVER AT DAWSON

DD	MM	YEAR	HR	MIN	L	FE-X	PB-X	MM-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	AA40
1	6	1983	1435	3		0.0	0.0	0.0	0.0	0.2230	1.8400	0.0	9.0000	33.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YTO8EA0001
 KLONDIKE RIVER AT DAWSON PACIFIC AND YLCON REGION

DO MM YEAR HR:MM L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
1 6 1983 1435 3	0.0	0.0	0.0	0.0	0.0300	13.0000	0.0140	0.5200	0.0500	0.0900

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YTO8DD0001
 PACIFIC AND YUKON REGION
 STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
9	5	1983	1202	3		5.5000	2.0000	7.7000	0.0	22.0000	7.7000	188.0000	27.0000	75.0000	0.0
11	5	1983	1103	3		5.5000	2.0000	7.7000	0.0	21.0000	7.7000	164.0000	56.0000	110.0000	0.0
13	5	1983	1208	3		7.5000	2.0000	7.7000	0.0	20.5000	7.6000	158.0000	34.0000	90.0000	0.0
16	5	1983	1122	3		10.0000	2.5000	7.7000	0.0	21.0000	7.7000	147.0000	31.0000	110.0000	0.0
18	5	1983	1020	3		5.0000	2.5000	7.7000	0.0	21.1000	7.6000	142.0000	7.3000	100.0000	0.0
20	5	1983	1120	3		5.5000	2.5000	7.7000	0.0	22.5000	7.5000	143.0000	12.0000	80.0000	0.0
2	6	1983	1345	3		15.0000	9.8000	7.9000	88.0000	21.7000	7.7000	129.0000	52.0000	70.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YT09DD0001

PACIFIC AND YUKON REGION
 STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SI04
9	5	1983	1202	3	66.1000	99.0000	28.0000	7.1000	0.8000	1.4000	0.7000	0.0560	3.7000	27.5000
11	5	1983	1103	3	59.2000	86.7000	23.6000	6.7000	0.6000	1.0000	1.0000	0.0510	3.4000	22.0000
13	5	1983	1208	3	54.7000	81.1000	22.9000	5.8000	0.8000	1.2000	0.9000	0.0500	3.4000	21.0000
16	5	1983	1122	3	53.0000	77.3000	21.1000	6.0000	0.8000	1.2000	1.0000	0.0500	3.4000	19.5000
18	5	1983	1020	3	51.9000	75.5000	24.3000	3.6000	0.6000	1.0000	0.9000	0.0730	3.4000	17.4000
20	5	1983	1120	3	50.1000	74.4000	20.7000	5.5000	0.6000	0.8000	0.9000	0.0920	3.4000	18.4000
2	6	1983	1345	3	48.6000	67.2000	18.8000	4.9000	0.7000	0.8000	0.7000	0.0500	3.2000	15.3000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0YT09DD0001

REPORT PACIFIC AND YUKON REGION
STEWART RIVER AT STEWART CROSSING

DD MM	YEAR	HR	NN	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
9	5	1983	1202	3	0.0660	122.0000	137.0000	104.0000	83.0000	0.0009	0.0006	0.0	0.0	0.0
11	5	1983	1103	3	0.0690	282.0000	238.0000	262.0000	150.0000	0.0020	0.0005	0.0	0.0	0.0
13	5	1983	1208	3	0.0630	191.0000	201.0000	167.0000	121.0000	0.0010	0.0005	0.0	0.0	0.0
16	5	1983	1122	3	0.0390	131.0000	123.0000	121.0000	100.0000	0.0012	0.0005	0.0	0.0	0.0
18	5	1983	1020	3	0.1550	116.0000	138.0000	81.0000	64.0000	0.0009	0.0002	0.0	0.0	0.0
20	5	1983	1120	3	0.0430	33.0000	217.0000	0.0	60.0000	0.0011	0.0001	0.0	0.0	0.0
2	6	1983	1345	3	0.0480	1203.0000	186.0000	1130.0000	80.0000	0.0052	0.0006	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y08DDDD0001

PACIFIC AND YUKON REGION
 STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR	MIN	L	FE-X	PS-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	AA40
9	5	1983	1202	3		0.0	0.0	0.0	0.0	0.3160	0.0790	0.0	17.0000	24.0000	0.0
11	5	1983	1103	3		0.0	0.0	0.0	0.0	0.3590	0.1710	0.0	14.0000	20.0000	0.0
13	5	1983	1208	3		0.0	0.0	0.0	0.0	0.3640	0.1010	0.0	13.0000	19.0000	0.0
16	5	1983	1122	3		0.0	0.0	0.0	0.0	0.3410	0.0920	0.0	12.0000	19.0000	0.0
18	5	1983	1020	3		0.0	0.0	0.0	0.0	0.4300	0.0840	0.0	12.0000	21.0000	0.0
20	5	1983	1120	3		0.0	0.0	0.0	0.0	0.2930	0.0580	0.0	12.0000	18.0000	0.0
2	6	1983	1345	3		0.0	0.0	0.0	0.0	0.2070	1.2380	0.0	15.0000	16.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09DD00001
 PACIFIC AND YUKON REGION
 STEWART RIVER AT STEWART CROSSING

DD	MM	YEAR	HR	MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
9	5	1983	1202	3		0.0	0.0	0.0	0.0005	0.0090	3.2000	0.0050	0.1300	0.0500	0.0250
11	5	1983	1103	3		0.0	0.0	0.0	0.0	0.0140	6.5000	0.0080	0.2800	0.0500	0.0500
13	5	1983	1208	3		0.0	0.0	0.0	0.0	0.0080	3.7000	0.0050	0.1200	0.0500	0.0280
16	5	1983	1122	3		0.0	0.0	0.0	0.0	0.0070	3.3000	0.0040	0.1000	0.0500	0.0140
18	5	1983	1020	3		0.0	0.0	0.0	0.0	0.0070	2.7000	0.0030	0.0800	0.0500	0.0190
20	5	1983	1120	3		0.0	0.0	0.0	0.0	0.0060	2.6000	0.0020	0.0700	0.0500	0.0160
2	6	1983	1345	3		0.0	0.0	0.0	0.0	0.0300	6.0000	0.0150	0.5100	0.0500	0.1800

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER CQYT098C0002
 PELLY RIVER AT PELLY CROSSING PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MIN	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLR	ALKP
9	5	1983	1413	3		8.0000	5.0000	7.4000	0.0	21.8000	7.7000	173.0000	30.0000	110.0000	0.0
11	5	1983	1415	3		15.0000	5.0000	7.4000	0.0	20.8000	7.6000	164.0000	33.0000	130.0000	0.0
2	6	1983	1515	3		15.0000	11.3000	7.7000	100.0000	21.2000	7.7000	139.0000	47.0000	70.0000	0.0
28	8	1983	1030	3		6.0000	10.0000	7.3000	0.0	23.6000	7.7500	211.0000	17.0000	15.0000	0.0
31	8	1983	2200	3		12.0000	11.0000	7.2000	0.0	23.0000	7.7500	210.0000	13.0000	20.0000	0.0
2	9	1983	1230	3		13.0000	10.0000	7.2000	0.0	22.7000	7.8500	214.0000	13.0000	15.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT PACIFIC AND YUKON REGION
 REPORT FOR STATION NUMBER QOYT09BC0002 PELLY RIVER AT PELLY CROSSING

DO	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SD4
8	5	1983	1413	3	68.2000	91.5000	25.6000	6.7000	1.5000	2.2000	1.1000	0.0780	5.6000	16.3000
11	5	1983	1415	3	64.6000	87.7000	24.7000	6.3000	1.2000	1.8000	0.9000	0.0750	5.6000	15.4000
2	6	1983	1515	3	54.3000	70.8000	20.4000	4.8000	1.2000	1.2000	0.8000	0.0680	4.9000	14.8000
28	8	1983	1030	3	77.0000	107.0000	29.6000	8.0000	0.6000	1.6000	0.5000	0.1320	7.0000	28.0000
31	8	1983	2200	3	77.0000	108.0000	29.9000	8.1000	0.6000	1.7000	0.3000	0.1580	7.0000	28.5000
2	9	1983	1230	3	78.8000	110.0000	30.3000	8.3000	0.6000	1.7000	0.3000	0.1590	7.0000	29.0000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA
REPORT FOR STATION NUMBER O0Y08BC0002

DD	MM	YEAR	HR	MIN	L	NN-D	RHFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
8	5	1983	1413	3		0.0260	128.0000	185.0000	112.0000	107.0000	0.0004	0.0003	0.0	0.0	0.0
11	5	1983	1415	3		0.0530	214.0000	142.0000	194.0000	73.0000	0.0007	0.0003	0.0	0.0	0.0
2	6	1983	1515	3		0.0270	1057.0000	93.0000	987.0000	73.0000	0.0038	0.0010	0.0	0.0	0.0
29	8	1983	1030	3		0.0140	57.0000	243.0000	33.0000	175.0000	0.0005	0.0010	0.0	0.0	0.0
31	8	1983	2200	3		0.1270	12.0000	189.0000	3.0000	139.0000	0.0004	0.0008	0.0	0.0	0.0
2	9	1983	1230	3		0.3350	35.0000	201.0000	25.0000	189.0000	0.0004	0.0010	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT PACIFIC AND YUKON REGION
 REPORT FOR STATION NUMBER 00Y088C0002 PELLY RIVER AT PELLY CROSSING

DD MM YEAR	HR:MM	L	FE-X	PB-X	MN-X	HQ-X	N-TD	P-T	CYAN	TTC	TDC	AA40
9	5	1983	1413	3	0.0	0.0	0.4210	0.3280	0.0	17.0000	24.0000	0.0
11	5	1983	1415	3	0.0	0.0	0.4920	0.1640	0.0	16.0000	26.0000	0.0
2	6	1983	1515	3	0.0	0.0	0.2040	1.4380	0.0	16.0000	16.0000	0.0
29	8	1983	1030	3	0.0	0.0	0.1440	0.0800	0.0	21.0000	1.2000	0.0
31	8	1983	2200	3	0.0	0.0	0.2360	0.0840	0.0	21.0000	1.1000	0.0
2	9	1983	1230	3	0.0	0.0	0.5240	0.0650	0.0	22.0000	1.2000	0.0

DATA ON FILE AS OF 12:38 P.M. NOV. 21, 1983

WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y08BC0002
 PELLY RIVER AT PELLY CROSSING
 PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
9	5	1983	1413	3	0.0	0.0	0.0	0.0005	0.0070	3.4000	0.0060	0.1300	0.0500	0.0180
11	5	1983	1415	3	0.0	0.0	0.0	0.0	0.0080	4.0000	0.0060	0.1500	0.0500	0.0250
2	6	1983	1515	3	0.0	0.0	0.0	0.0	0.0300	12.0000	0.0330	0.5100	0.0500	0.1600
28	8	1983	1030	3	0.0	0.0	0.0	0.0	0.0070	1.7000	0.0020	0.0500	0.0500	0.0060
31	8	1983	2200	3	0.0	0.0	0.0	0.0	0.0130	1.2000	0.0030	0.0400	0.0500	0.0110
2	9	1983	1230	3	0.0	0.0	0.0	0.0	0.0070	0.9800	0.0010	0.0400	0.0500	0.0130

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YT05B00008 PELLY RIVER AT FARO PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-VL	PH-L	SC-L	TURB	COLR	ALKP
20	5	1983	1000	3	19.0000	9.0000	8.0000	0.0	22.1000	7.9000	154.0000	13.0000	40.0000	0.0
1	6	1983	910	3	15.0000	9.0000	0.0	0.0	22.0000	7.9000	156.0000	48.0000	90.0000	0.0
3	6	1983	945	3	8.0000	7.0000	7.8000	0.0	22.3000	7.7000	143.0000	54.0000	30.0000	0.0
6	6	1983	1020	3	15.0000	9.0000	7.8000	0.0	22.0000	7.7000	147.0000	47.0000	50.0000	0.0
8	6	1983	1148	3	11.0000	8.0000	7.5000	0.0	21.9000	7.8000	159.0000	29.0000	40.0000	0.0
10	6	1983	1400	3	8.0000	8.0000	7.8000	0.0	20.9000	7.8000	154.0000	26.0000	30.0000	0.0
13	6	1983	945	3	12.0000	10.0000	7.7000	0.0	21.0000	7.7000	157.0000	21.0000	30.0000	0.0
15	6	1983	1048	3	15.0000	10.0000	7.2000	0.0	21.9000	7.7000	164.0000	16.0000	20.0000	0.0
17	6	1983	900	3	12.0000	10.0000	7.9000	0.0	21.4000	7.7000	169.0000	3.6000	20.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00T068C00001 PACIFIC AND YUKON REGION
 PELLY RIVER AT FARO

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	\$102	\$04
30	5	1983	1000	3	59.5000	78.1000	21.7000	5.8000	0.6000	0.9000	0.5000	0.0980	4.5000	17.2000
1	6	1983	910	3	64.0000	80.5000	22.5000	5.9000	0.8000	0.7000	0.5000	0.0900	4.5000	14.5000
3	6	1983	945	3	54.6000	72.0000	20.0700	5.4000	1.1000	0.6000	0.7000	0.1160	4.6000	14.7000
6	6	1983	1020	3	55.8000	74.6000	20.6000	5.6000	1.0000	0.8000	0.8000	0.1110	5.1000	18.0000
8	6	1983	1148	3	67.6000	79.9000	21.9000	6.1000	0.7000	1.1000	0.5000	0.0640	5.2000	19.0000
10	6	1983	1400	3	62.2000	82.5000	22.7000	6.8000	0.7000	1.0000	0.5000	0.0720	5.3000	21.0000
13	6	1983	945	3	64.4000	83.0000	23.1000	6.1000	0.6000	1.0000	0.4000	0.0730	5.4000	21.9000
15	6	1983	1048	3	61.8000	82.8000	21.8000	6.8000	0.6000	0.9000	0.4000	0.0710	5.4000	22.0000
17	6	1983	900	3	61.7000	84.9000	22.5000	7.0000	0.5000	0.9000	0.4000	0.0700	5.4000	22.9000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT09BC0008 PELLY RIVER AT FARO PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
30	5	1983	1000	3	0.0210	91.0000	102.0000	63.0000	23.0000	0.0019	0.0004	0.0	0.0	0.0
1	6	1983	910	3	0.0770	363.0000	131.0000	315.0000	124.0000	0.0056	0.0007	0.0	0.0	0.0
3	6	1983	945	3	0.0270	328.0000	110.0000	301.0000	68.0000	0.0032	0.0009	0.0	0.0	0.0
6	6	1983	1020	3	0.0380	147.0000	116.0000	139.0000	60.0000	0.0017	0.0008	0.0	0.0	0.0
8	6	1983	1148	3	0.0350	144.0000	116.0000	139.0000	57.0000	0.0005	0.0009	0.0	0.0	0.0
10	6	1983	1400	3	0.1280	165.0000	79.0000	150.0000	63.0000	0.0009	0.0009	0.0	0.0	0.0
13	6	1983	945	3	0.0430	57.0000	86.0000	48.0000	45.0000	0.0006	0.0009	0.0	0.0	0.0
15	6	1983	1048	3	0.0350	55.0000	103.0000	42.0000	56.0000	0.0007	0.0011	0.0	0.0	0.0
17	6	1983	900	3	0.0430	73.0000	110.0000	60.0000	70.0000	0.0002	0.0007	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00Y08B00008 PELLY RIVER AT FARO PACIFIC AND YUKON REGION

DD	MM	YEAR	HR	MN	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TDC	PA40
30	5	1983	1000	3		0.0	0.0	0.0	0.0	0.1930	0.1740	0.0	17.0000	8.4000	0.0
1	6	1983	910	3		0.0	0.0	0.0	0.0	0.3200	0.4870	0.0	18.0000	12.0000	0.0
3	6	1983	945	3		0.0	0.0	0.0	0.0	0.1940	0.2880	0.0	15.0000	7.6000	0.0
6	6	1983	1020	3		0.0	0.0	0.0	0.0	0.2360	0.2250	0.0	15.0000	7.3000	0.0
8	6	1983	1148	3		0.0	0.0	0.0	0.0	0.2530	0.1520	0.0	17.0000	6.2000	0.0
10	6	1983	1400	3		0.0	0.0	0.0	0.0	0.2840	0.1400	0.0	16.0000	4.9000	0.0
13	6	1983	945	3		0.0	0.0	0.0	0.0	0.2140	0.1310	0.0	17.0000	5.1000	0.0
15	6	1983	1048	3		0.0	0.0	0.0	0.0	0.1770	0.1030	0.0	17.0000	4.4000	0.0
17	6	1983	900	3		0.0	0.0	0.0	0.0	0.1320	0.0740	0.0	16.0000	3.6000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00YT098C0008 Pelly River at Faro PACIFIC AND YUKON REGION

DD	MM	YEAR	HR:	MN	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
30	5	1983	1000	3	0.0	0.0	0.0	0.0	0.0	0.0110	3.8000	0.0090	0.1300	0.0500	0.0700
1	6	1983	810	3	0.0	0.0	0.0	0.0	0.0	0.0250	11.0000	0.0120	0.3600	0.0500	0.1300
3	6	1983	945	3	0.0	0.0	0.0	0.0	0.0	0.0180	7.9000	0.0160	0.2100	0.0500	0.0800
6	6	1983	1020	3	0.0	0.0	0.0	0.0	0.0	0.0140	9.0000	0.0130	0.1400	0.0500	0.0700
8	5	1983	1148	3	0.0	0.0	0.0	0.0	0.0	0.0110	3.4000	0.0100	0.0900	0.0500	0.0500
10	6	1983	1400	3	0.0	0.0	0.0	0.0	0.0	0.0060	1.2000	0.0070	0.0400	0.0500	0.0340
13	6	1983	945	3	0.0	0.0	0.0	0.0	0.0	0.0080	2.4000	0.0070	0.0700	0.0500	0.0340
15	6	1983	1048	3	0.0	0.0	0.0	0.0	0.0	0.0070	2.3000	0.0030	0.0700	0.0500	0.0300
17	6	1983	800	3	0.0	0.0	0.0	0.0	0.0	0.0060	1.8000	0.0050	0.0600	0.0500	0.0210

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER 00Y0BAC0001
 PACIFIC AND YUKON REGION
 TAKHINI RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	T-AF	T-WF	PH-F	SC-F	T-WL	PH-L	SC-L	TURB	COLOR	ALKP
5	5	1983	1400	3	5.0000	2.6000	7.2000	0.0	20.8000	7.8500	115.0000	27.0000	55.0000	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT PACIFIC AND YUKON REGION
 REPORT FOR STATION NUMBER O0YT08AC0001 TAKHINI RIVER AT MOUTH

DD	MM	YEAR	HR:MM	L	ALKT	HARD	CA-D	MG-D	K -D	NA-D	CL-D	F -D	SI02	SO4
5	5	1983	1400	3	52.8000	55.7000	18.9000	2.1000	1.2000	2.3000	0.6000	0.1930	6.5000	4.5000

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0YTO8AC0001
 PACIFIC AND YUKON REGION
 TAKHINI RIVER AT MOUTH

DD MM	YEAR	HR:MM	L	NN-D	RNFL	R-FL	RFNF	R-FF	AS-X	SE-X	CD-X	CU-X	ZN-X
5	5	1983	1400	3	0.0380	323.0000	85.0000	302.0000	77.0000	0.0007	0.0001	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
REPORT FOR STATION NUMBER 00YTOBAC0001

PACIFIC AND YUKON REGION
TAKHINI RIVER AT MOUTH

DD MM YEAR	HR:MM	L	FE-X	PB-X	MN-X	HG-X	N-TD	P-T	CYAN	TIC	TOC	AA40
5	5	1983	1400	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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WATER QUALITY BRANCH MONITORING PROGRAM DATA REPORT
 REPORT FOR STATION NUMBER O0Y08AC0001
 PACIFIC AND YUKON REGION
 TAKHINI RIVER AT MOUTH

DO	MM	YEAR	HR:MM	L	AA41	AA42	AA43	CD-T	CU-T	FE-T	PB-T	MN-T	HG-T	ZN-T
5	5	1983	1400	3	0.0	0.0	0.0	0.0	0.0120	6.0000	0.0280	0.1300	0.0500	0.0400

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APPENDIX 4

MERCURY TESTS IN PELLY RIVER AT FARO

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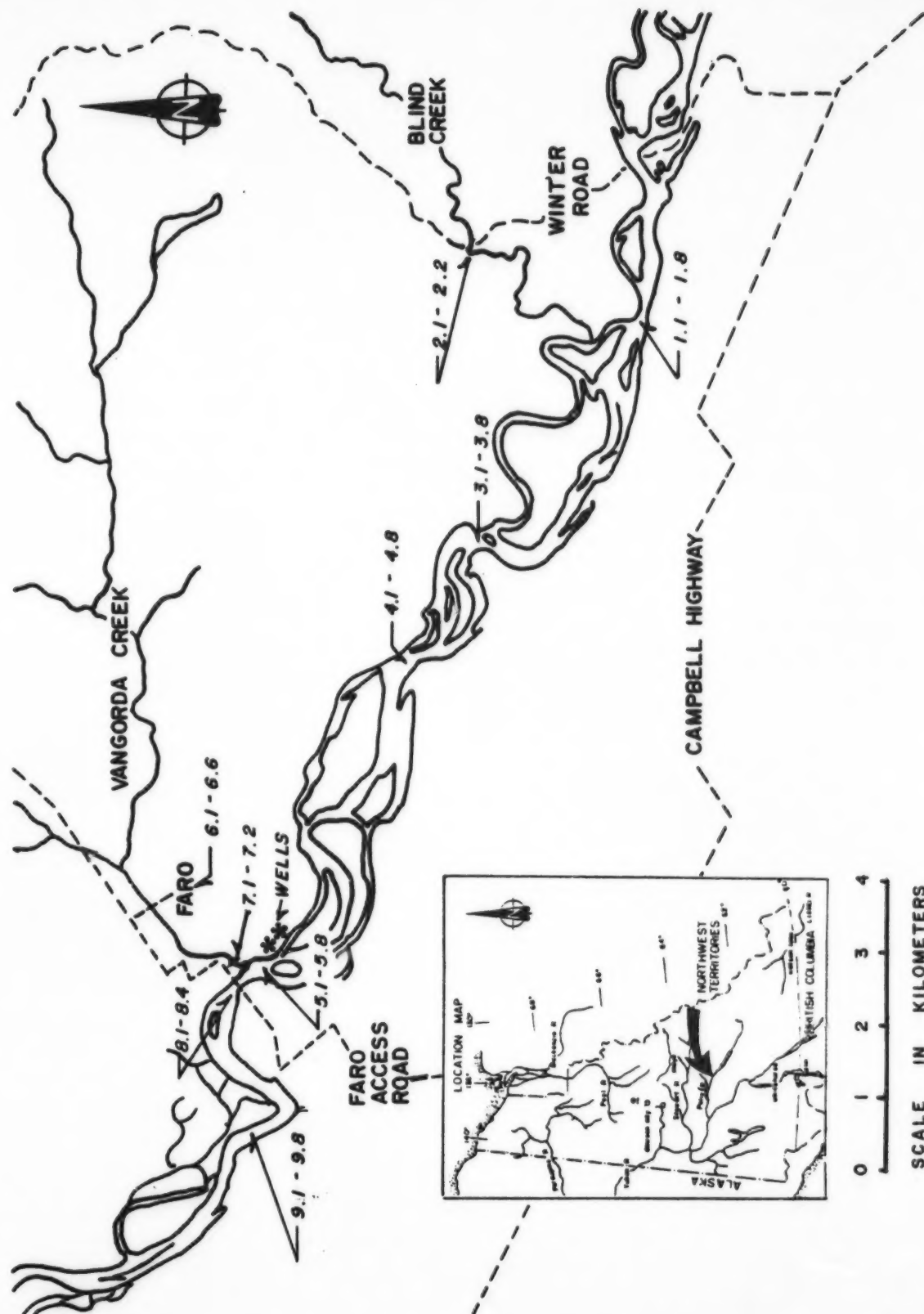


FIGURE 23 MERCURY STUDY STATIONS IN THE PELLY RIVER DRAINAGE NEAR FARO, YUKON

APPENDIX 4.1 WATER QUALITY RESULTS FOR MERCURY TESTING

STATION	DATE	MERCURY ug/l
1.1 to 1.8	July 5/83	0.05
2.1 to 2.2	July 6/83	0.05
3.1 to 3.8	July 5/83	0.05
4.1 to 4.8	July 5/83	0.05
5.1 to 5.8*	July 5/83	0.05
6	June 14/83	0.1
6	July 5/83	0.05
6	July 7/83	0.05
7.1 to 7.2	July 6/83	0.05
8.1 to 8.4	July 5/83	0.05
9.1 to 9.4	July 5/83	0.05

*Sample number 5.6 was lost

APPENDIX 4.2 SEDIMENT - MERCURY AND PARTICLE SIZE RESULTS

PARAMETER	STATIONS								
	1	2	3	4	5	7	8	9	
Mercury, mg/kg	0.13	0.07	0.17	0.13	0.10	0.17	0.09	0.11	
Particle Range mm									
>2.0	1.1%	1.2%	1.4%	1.4%	1.1%	21.2%	0.0%	1.9%	
>1.0	1.1%	1.2%	1.4%	1.4%	1.3%	15.6%	1.0%	2.2%	
>0.5	1.3%	3.1%	1.5%	1.8%	1.7%	16.6%	6.3%	2.2%	
>0.25	4.7%	16.3%	2.1%	2.8%	2.7%	19.4%	11.3%	4.0%	
>0.125	21.5%	33.4%	8.7%	16.2%	33.9%	16.3%	62.1%	22.8%	
>0.063	48.3%	38.8%	69.0%	67.2%	42.2%	8.3%	16.7%	51.8%	
<0.063	22.0%	6.1%	16.0%	9.3%	17.2%	2.3%	2.6%	15.2%	

Note 1 - All results are averages of triplicates for each station.

Note 2 - The mercury conc. results are reported as dry weight and are of that portion of the sample which passes through a 0.150 mm sieve.

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